NORDIC VOLCANOLOGICAL INSTITUTE 8801

A STATISTICAL ANALYSIS OF FRACTURES AND RELATED POSTGLACIAL STRESS FIELD IN THE KRAFLA FISSURE SWARM, NE-ICELAND

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Internal report 8801, Nordic Volcanological Institute, University of Iceland,Reykjavik, May 1988.

Abstract

The length and orientation of 1080 fractures cutting postglacial rocks within the Krafla fissure swarm has been measured, using a digitizing table. The results indicate: (a) 50 % of the cumulative length of fractures has a trend between N6E - N18E, while all fractures has a trend lying between N30W N40E. (b) Short fractures predominate, the average fracture length is 340 m. (c) The Krafla caldera and its shallow magma chamber beneath Leirhnjukur has not affected the stress field significantly in postglacial time, because fracture trends in this area does not deviate from the general fracture trend elsewhere. (d) The most intensily fractured areas are found in the middle part of the fissure swarm, near Hrutafell and Mofell. This is partly a result from burial of many older fractures further south, however, the intense fracturing reflects that this area suffers from the highest amount of spreading or dilation within the Krafla fissure swarm in postglacial time. It is concluded that the orientation of the stress field affecting the

Krafla fissure swarm has been fairly constant during postglacial time, the stress field having roughly the same orientation along the whole length of the fissure swarm.

Introduction

The Krafla fissure swarm is located at the divergent plate boundary in northern Iceland. Here, the plate boundary is defined by five en-echelon aligned fissure swarms, the Krafla swarm being the largest of these (Fig. 1). The Krafla fissure swarm stretches from lake Myvatn northwards into the sea at Axarfjordur, the main fracture pattern both in the Krafla fissure swarm and in the surrounding Theystareykir and Fremri Namur fissure swarms is shown in Fig. 2. The Krafla fissure swarm dissects the Krafla central volcano and its associated caldera (Saemundsson, 1977).

The present rifting episode (1975-) has resulted in a up to 8-10 m widening of the Krafla fissure swarm in the middle part of its length (Tryggvason, 1986). Also, approximately 20 intrusive events related to dike injection from a shallow magma chamber located beneath Leirhnjukur, Krafla (Fig. 3)(Einarsson, 1978) have occurred, 9 of which has lead to basaltic fissure eruptions (Björnsson, 1985). In this report, statistical data as well as an analysis of the postglacial stress field are presented, based on length/orientation measurements of 1080 fractures.

The purpose of this analysis has been an attempt to solve some of the following problems: (a) What is the variation in the orientation of the postglacial stress field in the Krafla fissure swarm in space and time? (b) How much has the Krafla central volcano and its associated shallow magma chamber affected the postglacial stress field in the Krafla fissure swarm? (c) How is the along-strike variation of

fracture spatial distribution, or frequency, in the Krafla fissure swarm? (d) What is the length distribution of fractures within the Krafla fissure swarm, and is there any correlation between fracture length and strike?

This study is a spin-off of a larger, detailed study of fracture geometry, formation and associated volcanism (Opheim & Gudmundsson, 1988). For a more comprehensive description of the Krafla fissure swarm, and the geology of NE-Iceland in general, the reader is referred to the earlier mentioned paper, and, for instance, Saemundsson 1978, Björnsson 1985 and Tryggvason 1980, 1984, 1986.

Fracture geometry and formation

The fractures can be divided into two groups, pure tension fractures and normal faults. Pure tension fractures are by far the most frequent. They occur single or in clusters, alone or associated with normal faults. Commonly, they are offset, parallel or en echelon aligned. Generally speaking, pure tension fractures and normal faults have the greatest width near the middle part of their length. Also, all fractures tend to split up near their ends, always following the columnar jointing in the thin pahoehoe lava flows. Normal faults are always large structures as compared with pure tension fractures, the latter occuring in all sizes. Normal faults commonly form nested grabens, and the largest normal faults clearly define a large central graben in some areas of the fissure swarm.

Fractures are known to be polygenetic, because movements on preexisting fractures has been observed during rifting

episodes (Björnsson, 1977). Also, field observations indicate that normal faults develop from pure tension fractures when these attain a certain length (Opheim & Gudmundsson, 1988). No lateral, or strike-slip displacement has been observed on any fracture, indicating that no oblique stress component(s) is present at the time of fracture formation.

It is likely that several tectonic processes are invoked in fracture formation in the Krafla fissure swarm. These processes include plate tectonic stress, dike intrusions, and magma reservoir magmatic pressure changes. A comprehensive discussion of the involvement of these processes in fracture formation within the Krafla fissure swarm is given by Opheim and Gudmundsson (1988).

Stress field analysis

A few, important assumptions must be considered, as an introduction to the following analysis.

First, all fractures are assumed to have formed as pure Mode 1 fractures (Schmidt & Rossmanith, 1983), that is, they are formed by tensile stresses acting perpendicular to the fracture plane. The orientation of maximum (relative) tensile stress at the time of fracture formation is thus perpendicular to fracture strike or orientation.

Secondly, the orientation of a fracture is measured as a straight line between the ends of the fracture. According to this, the analysis invokes a simplification where curved fractures were measured.

Methods

The data are obtained from (a) 1:20,000 scale maps, published by Technisches Universitat Braunschweig 1982, covering the area from Myvatn to Mofell (Fig. 3) and (b) 1: 35,700 scale maps compiled from Icelandic Geodetic Survey aerial photographs covering the area north of Mofell to the outwash plains of the river Jökulsa a Fjöllum. From these maps, the orientation (O) and length (L) of all fractures cutting postglacial lava flows and cover have been measured. This was done by using a digitizing table connected to a 20-MB Corona PC, supplied with the FAS-2 (Fracture Analysis System) software system (Gardner, 1985). Here, each fracture was measured from end-to-end as a straight segment.

According to the two different map type coverage, the study area was divided into two parts, north (Gjastykki) and south (Krafla) of Mofell (Fig. 4). These two areas were divided into subareas (Figs. 4), from each of which length/orientation data are presented (Fig. 5, 6). Furthermore, results from a statistical analysis of the data are given in Appendix 1.

Discussion

The results (Figs. 4, 5, 6 and Appendix 1) show that the strike of fissures has little variation throughout the whole length of the fissure swarm. The results show that approximately 50% of fractures strikes N6E - N18E along the whole swarm (Figure 5, Appendix 1). Furthermore, the highest

value of mean length of fractures also lie in this interval, while long fractures are more uncommon outside this orientation interval (Appendix 1). Short fractures are much more frequent than are long fractures (Appendix 1), similar to what is found in other Icelandic fissure swarms (Gudmundsson, 1987 a,b). The average length of 1080 fractures is 340 m, which is somewhat shorter than found within the Thingvellir fissure swarm (Gudmundsson, 1987 a).

The results show that fractures within the Krafla central volcano (Krafla 1 & 2, Fig. 6) has trends that does not deviate from the fracture trends elsewhere. This indicate that the prescence of the Krafla central volcano, its caldera and the shallow magma chamber beneath Leirhnjukur, has probably not influenced the orientation of the stress field in postglacial time.

Fracture spatial density, or frequency, varies much along the fissure swarm. In the areas around Myvatn and within the Krafla caldera this is partly a result of the postglacial volcanism. The maximum fracture spatial density is found near Mofell (Mofell 2 & Gjastykki 1, Fig. 6). This is probably due to the highest values of spreading or dilation during postglacial time occurring in these areas (Bernauer, 1943, Opheim and Gudmundsson, 1988).

As a preliminary conclusion, based on the previous discussion, and the data set (Fig. 5, 6 and Appendix 1), the orientation of postglacial stress field has (a) not changed during postglacial time, and (b), the postglacial stress field has more or less the same orientation along the whole length of Krafla fissure swarm.

Acknowledgements

This report is a byproduct of a study of fracture formation and related volcanism in the Krafla fissure swarm with Dr. A. Gudmundsson. I thank him for ideas as well as suggesting changes in this paper. Furthermore, I will thank Hördur Halldorson for patience and technical assistance, Dr. Gudmundur Sigvaldason for software assistance and Ævar Johannesson for figure preparation.

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Figure list

Fig. 1 Fissure swarms in NE-Iceland. T=Theystareykir, K=Krafla, F=Fremri Namur, A=Askja and Kv=Kverkfjöll.

Fig. 2. Main fracture patterns within the Krafla fissure swarm and the adjacent Theystareykir and Fremri Namur fissure swarms.

Fig. 3. The Krafla fissure swarm with the main fracture pattern and the lavas from the Myvatn fires and the recent Krafla lavas.

Fig. 4. Fracture maps from each of the 10 subareas put together to show an outline of the spatial distribution and frequency of fractures, within different parts of the fissure swarm. The star denotes the mountain Mofell. The map is not to scale in E-W direction.

Fig. 5. Length/orientation datas from the two main areas, Krafla (south of Mofell) and Gjastykki (north of Mofell). The data sets are presented both as rosediagrams and histograms.

Fig. 6. Length/orientation data from each of the 10 subareas (Fig. 4) shown both in rosediagrams and

histograms.

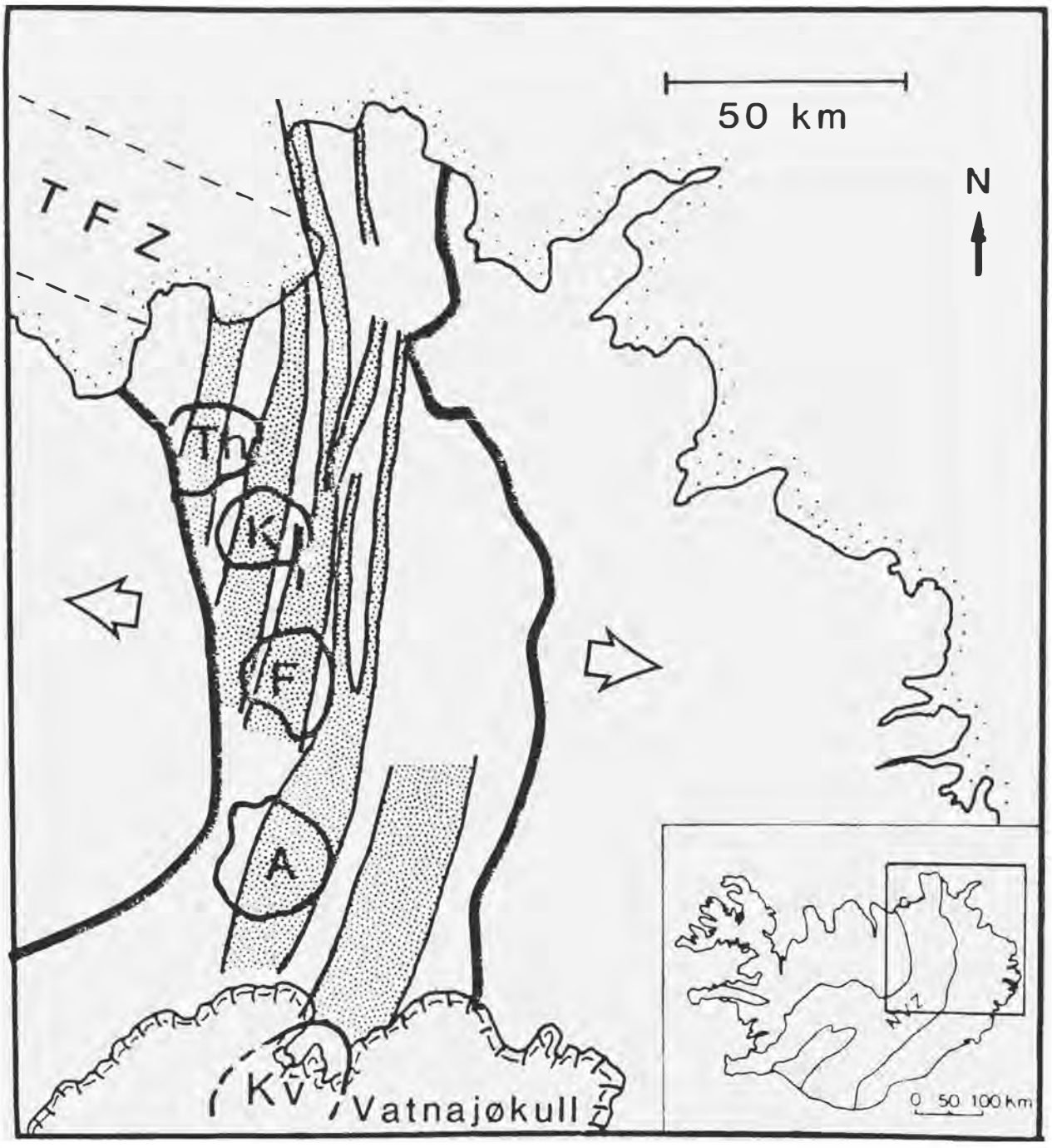


FIG. 1

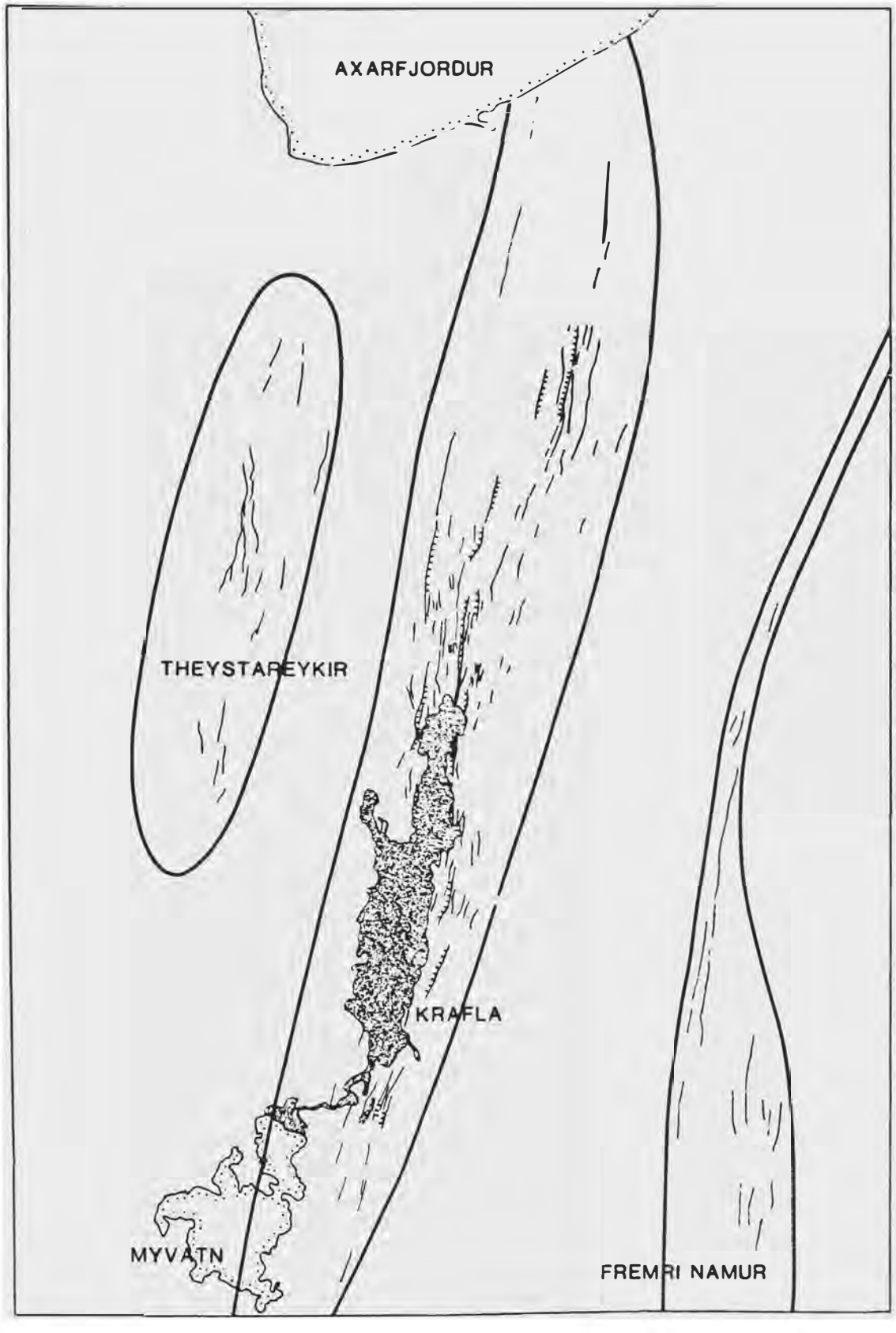


FIG.2

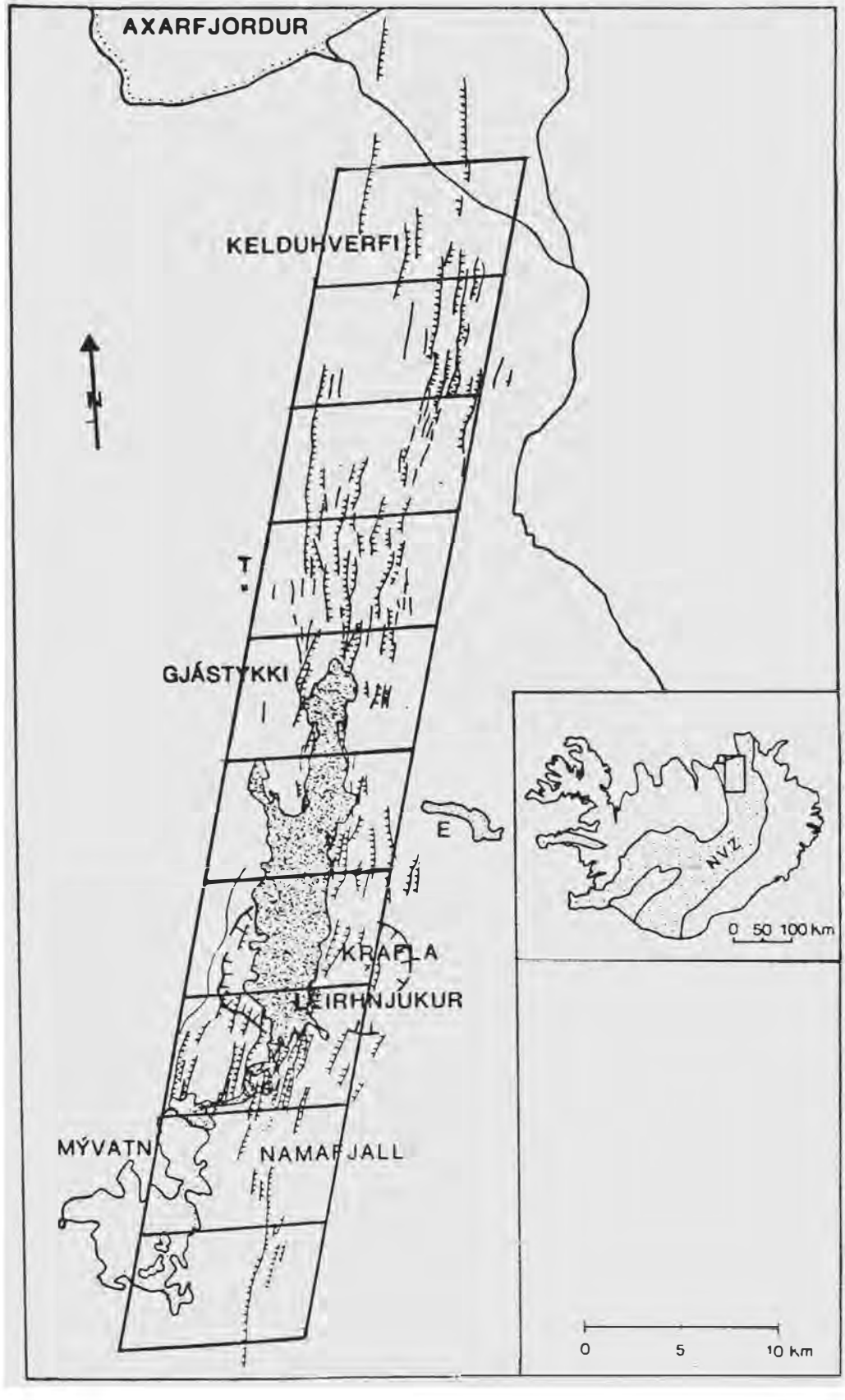

AXARFJORDUR
KELDUHVERFI
GJÁSTYKKI
KRAFLA
LEIRHNJÚKUR
MÝVATN
NAMAFJALL
NVZ
0 50 100 km
0 5 10 km

FIG.3

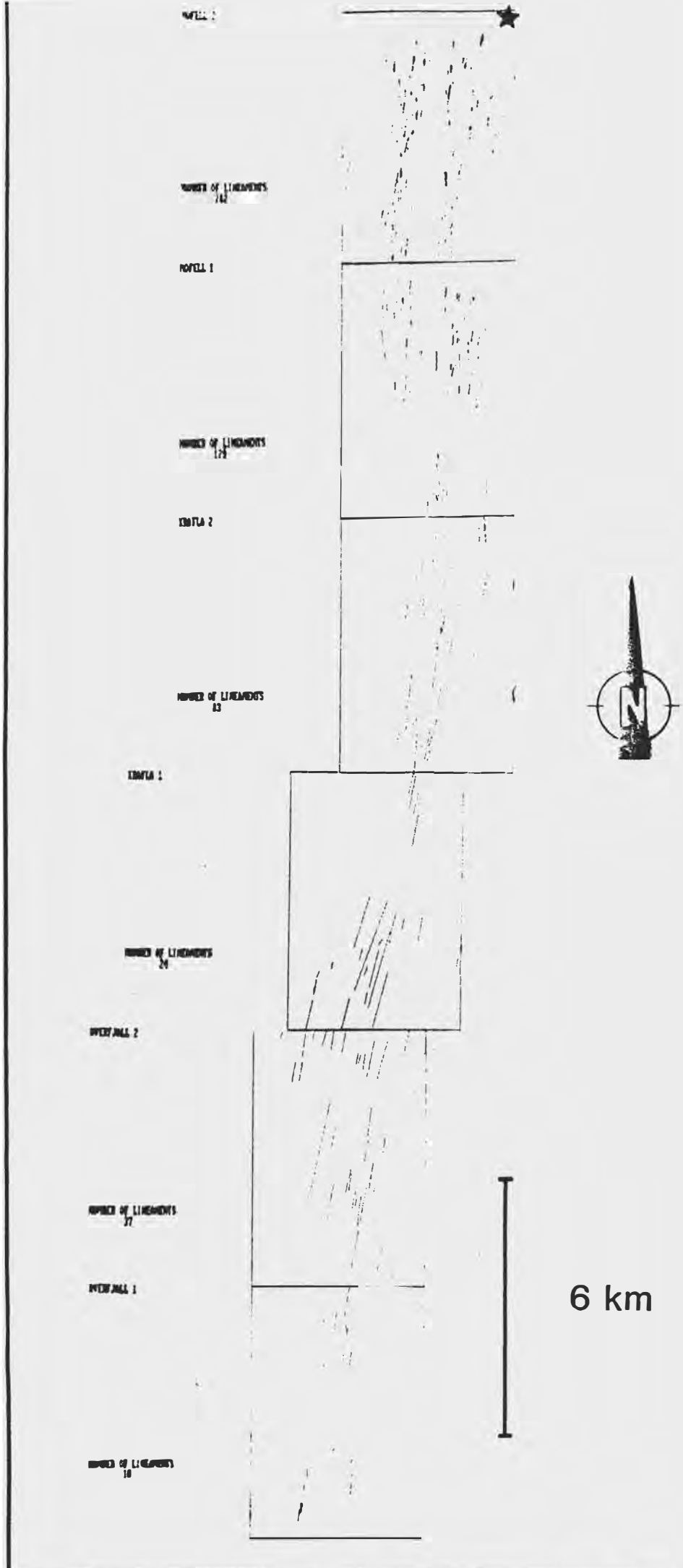
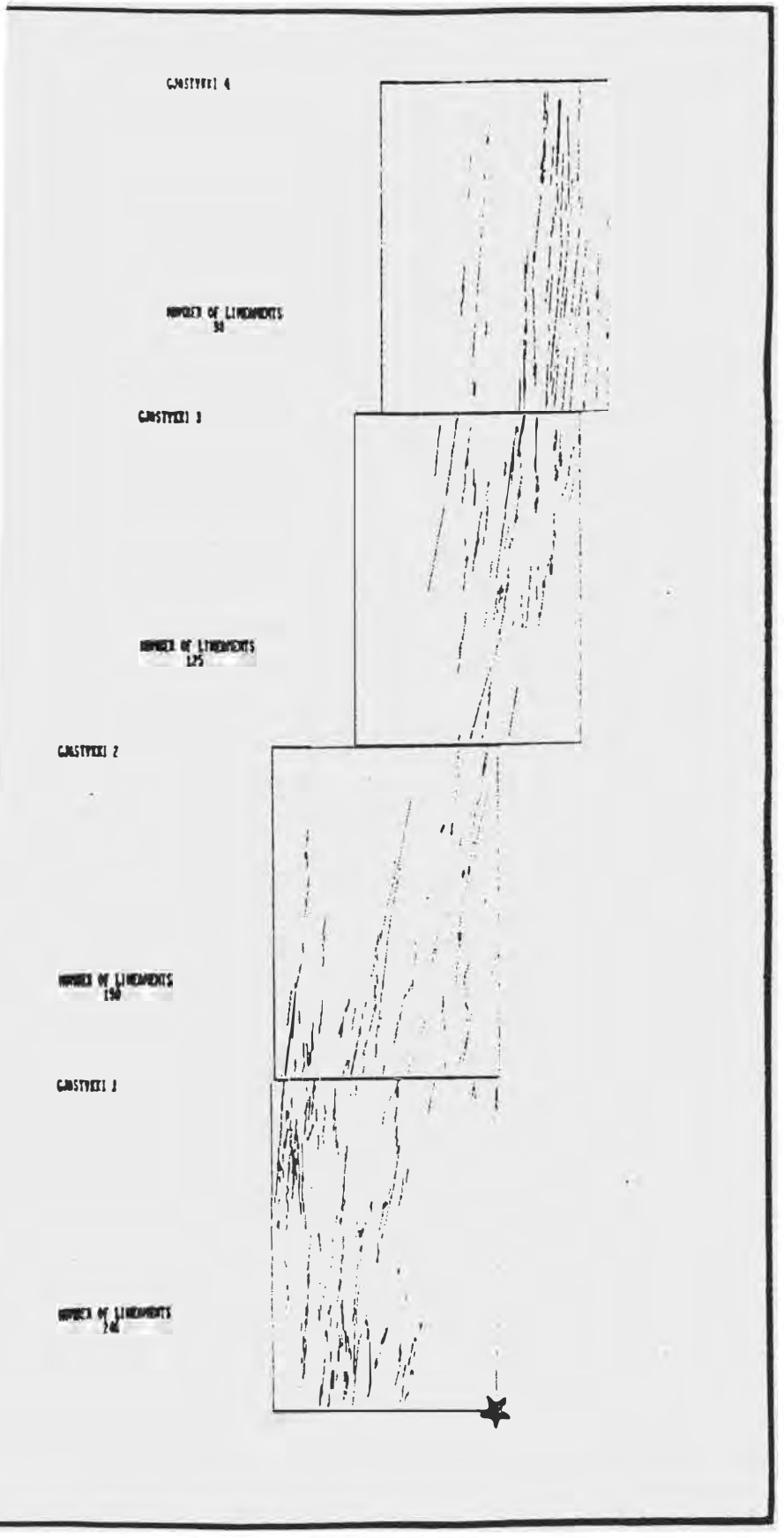
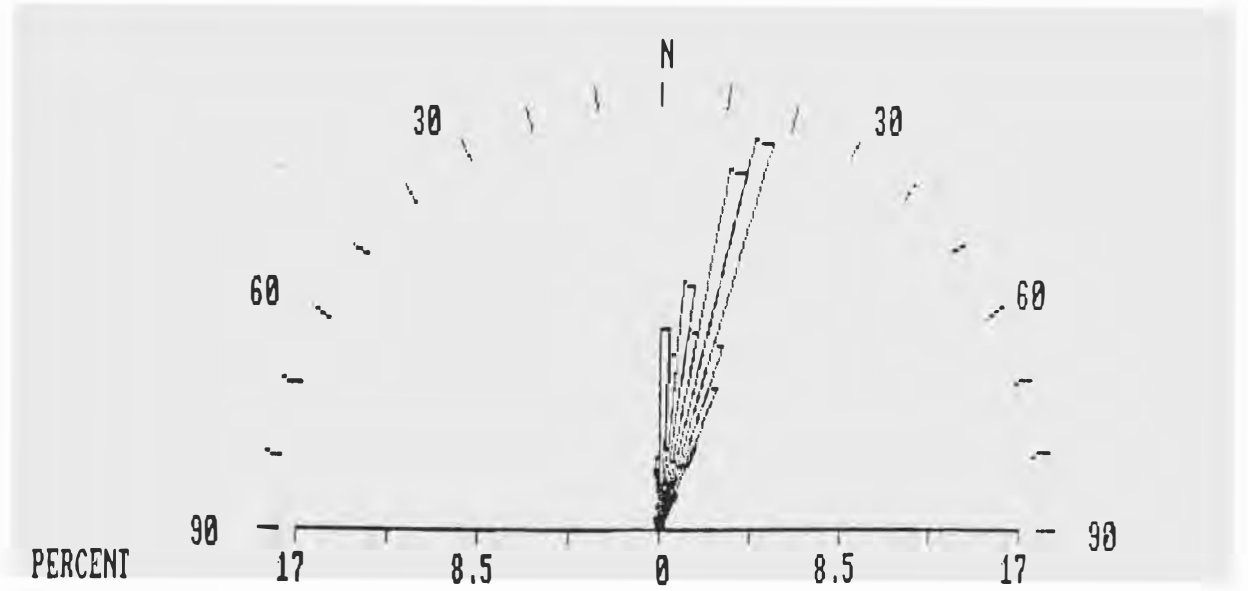


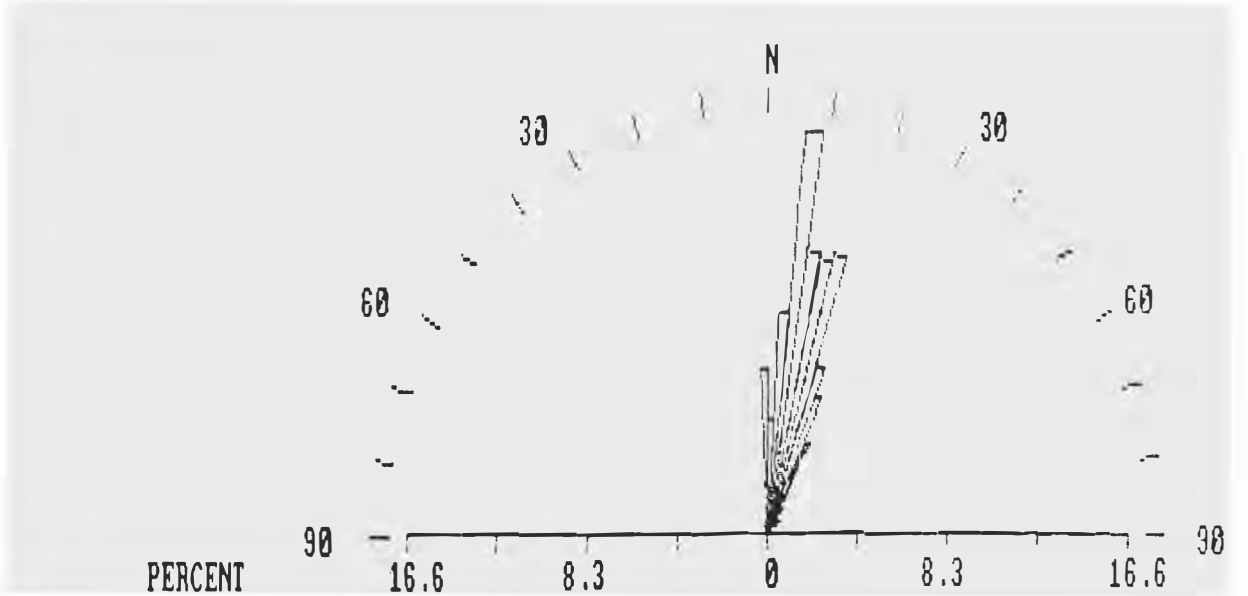
FIG.4


GAUSTYKI 4
NUMBER OF LINEAMENTS
50
GAUSTYKI 3
NUMBER OF LINEAMENTS
125
GAUSTYKI 2
NUMBER OF LINEAMENTS
150
GAUSTYKI 1
NUMBER OF LINEAMENTS
240



TOTAL NUMBER OF LINEAMENTS	553	MEAN LENGTH PER CELL (KM)	3.52
TOTAL LENGTH OF LINEAMENTS (KM)	211.32	NUMBER OF LINEAMENTS PER CELL	9.22
MEAN LENGTH OF LINEAMENTS (KM)	.38	CELL 3 DEGREES	

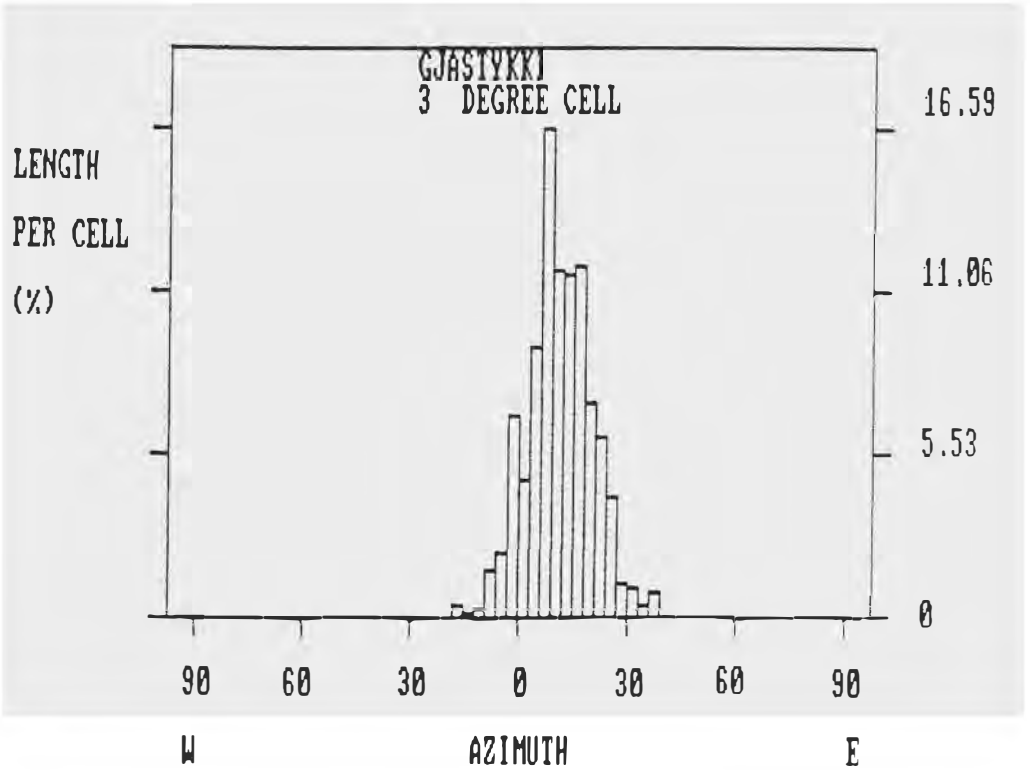
KRAFLA



TOTAL NUMBER OF LINEAMENTS	527	MEAN LENGTH PER CELL (KM)	2.59
TOTAL LENGTH OF LINEAMENTS (KM)	155.23	NUMBER OF LINEAMENTS PER CELL	8.78
MEAN LENGTH OF LINEAMENTS (KM)	.29	CELL 3 DEGREES	

GJASTYKKI

FIG.5


GJÁSTYKKI
3 DEGREE CELL
LENGTH
PER CELL
(%)
16.59
11.06
5.53
0
90
60
30
0
30
60
90
W
AZIMUTH
E

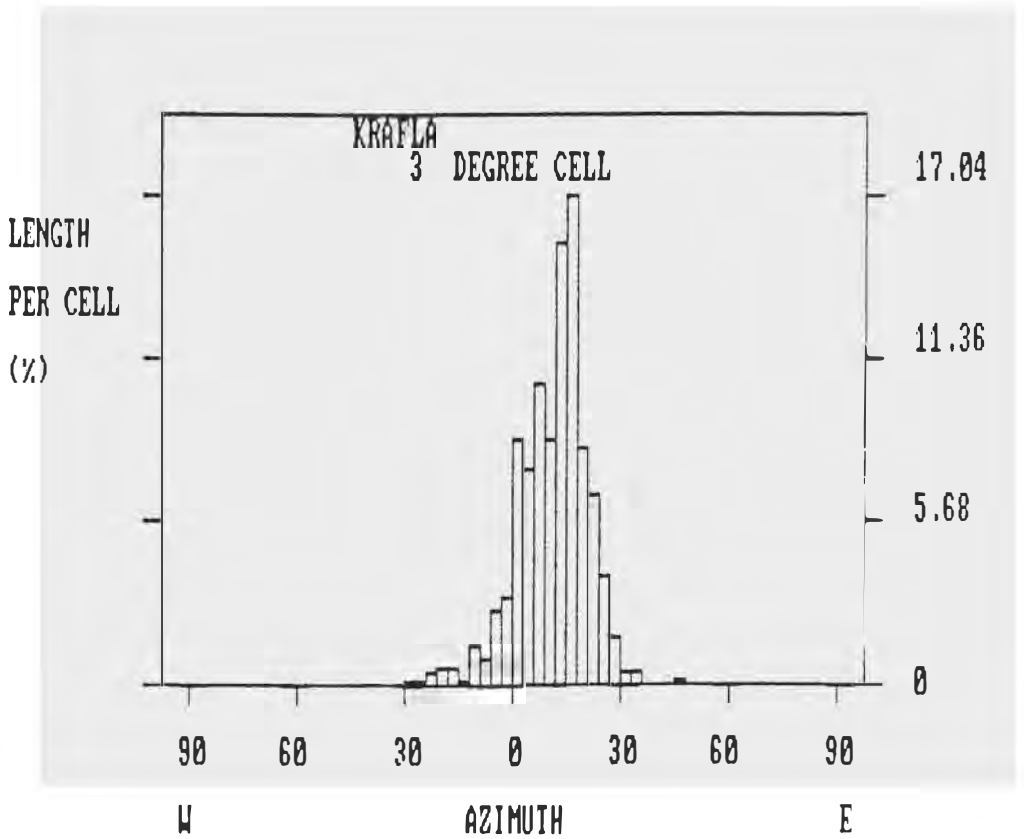
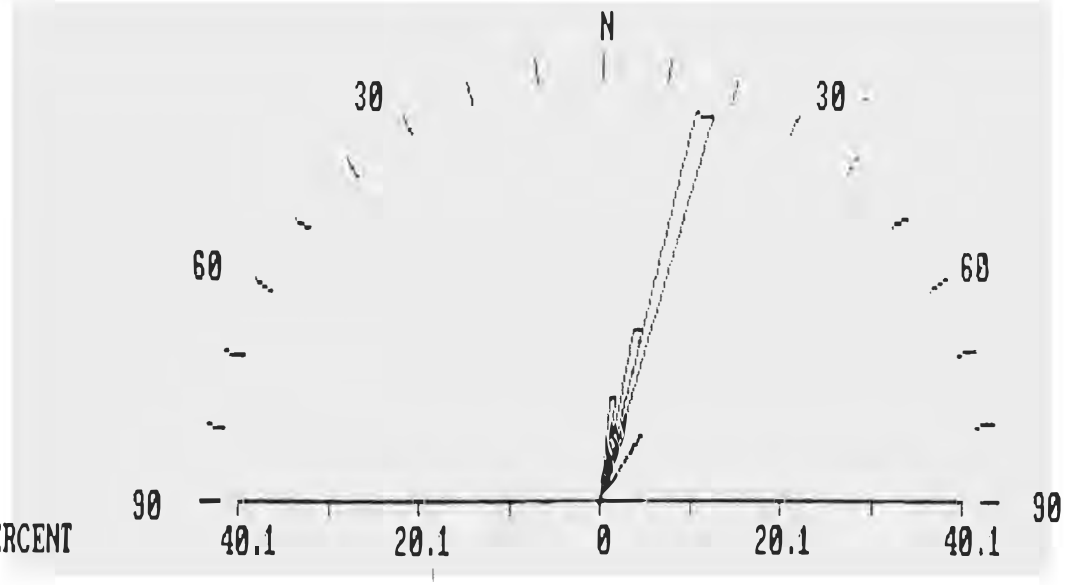
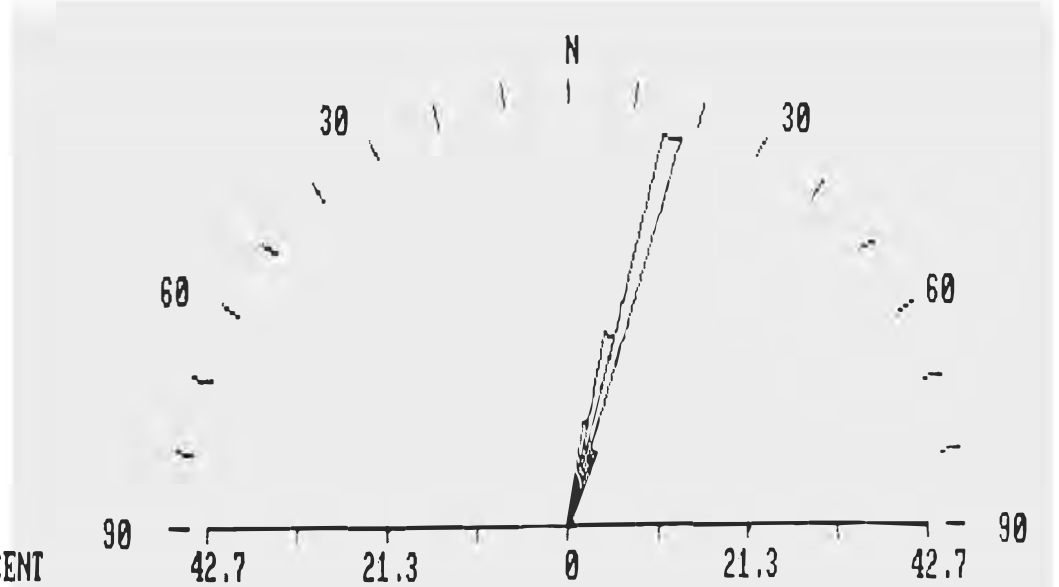

KRÁFLA
3 DEGREE CELL
LENGTH
PER CELL
(%)
17.04
11.36
5.68
0
90
60
30
0
30
60
90
W
AZIMUTH
E

FIG.5



TOTAL NUMBER OF LINEAMENTS	18	MEAN LENGTH PER CELL (KM)	.16
TOTAL LENGTH OF LINEAMENTS (KM)	9.59	NUMBER OF LINEAMENTS PER CELL	.3
MEAN LENGTH OF LINEAMENTS (KM)	.53	CELL 3 DEGREES	

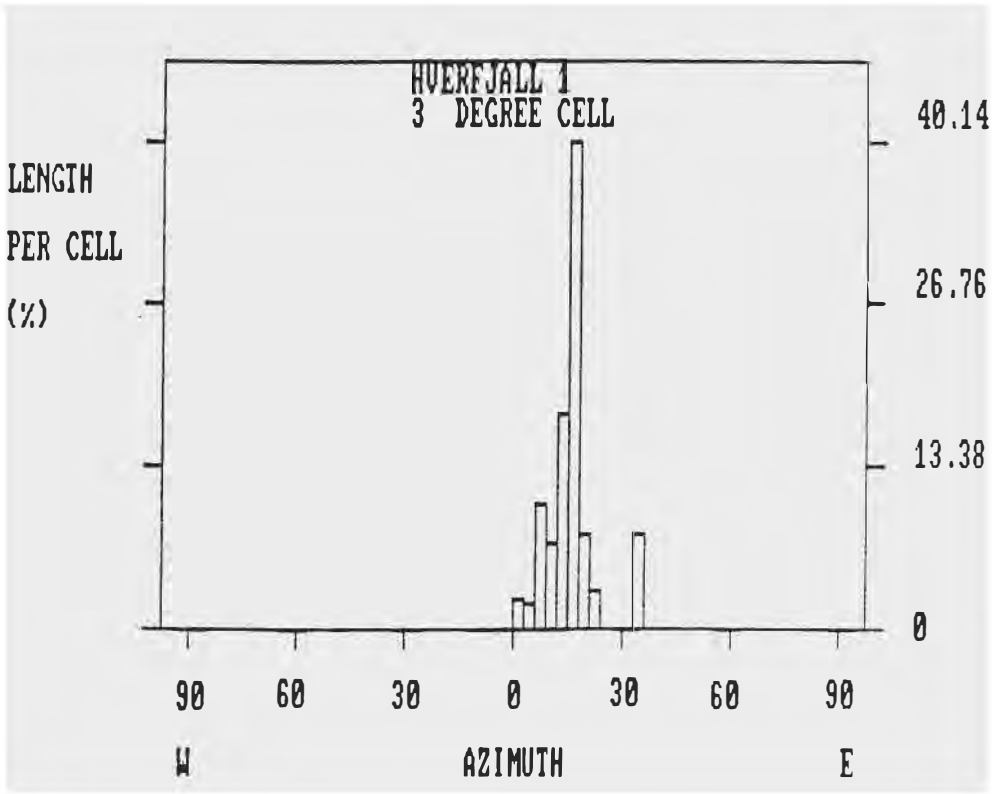
HVERFJALL 1



TOTAL NUMBER OF LINEAMENTS	37	MEAN LENGTH PER CELL (KM)	.33
TOTAL LENGTH OF LINEAMENTS (KM)	20.01	NUMBER OF LINEAMENTS PER CELL	.62
MEAN LENGTH OF LINEAMENTS (KM)	.54	CELL 3 DEGREES	

HVERFJALL 2

FIG.6


HVERFJALL 1
3 DEGREE CELL
LENGTH
PER CELL
(%)
40.14
26.76
13.38
0
90
60
30
0
30
60
90
W
AZIMUTH
E

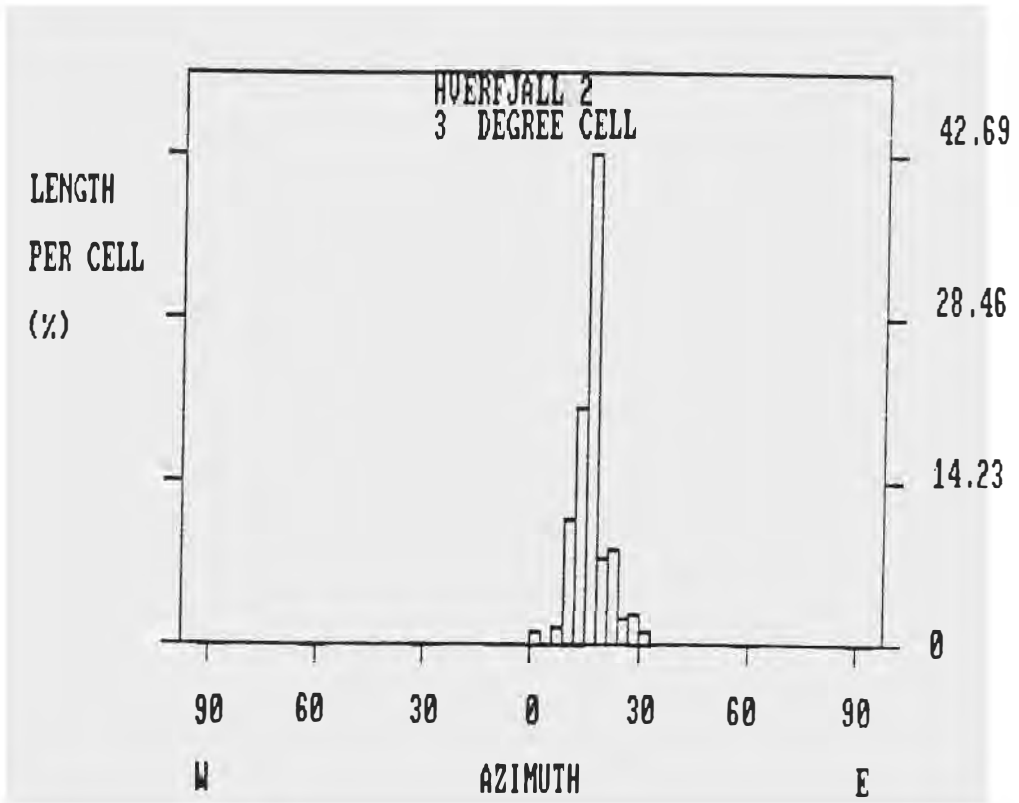
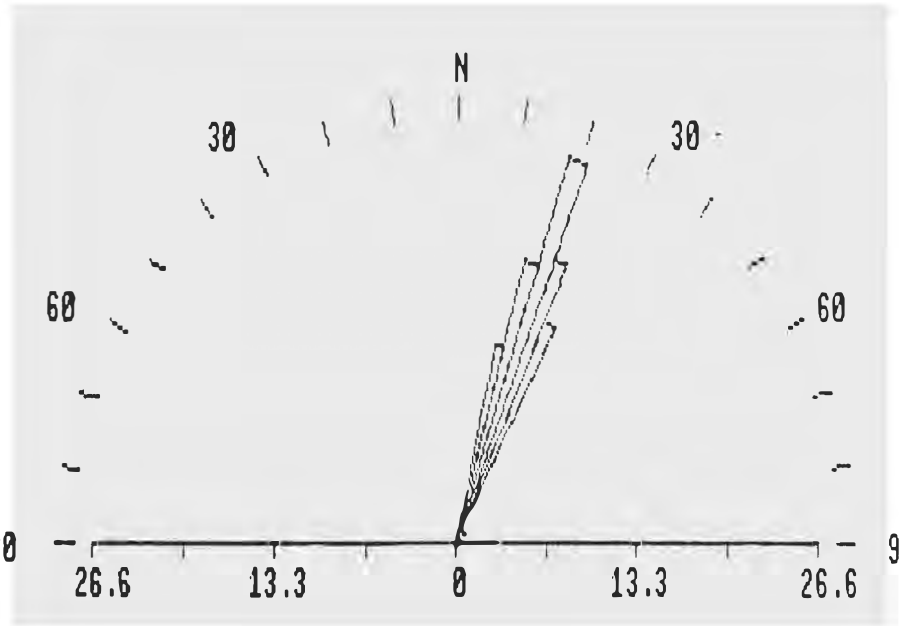
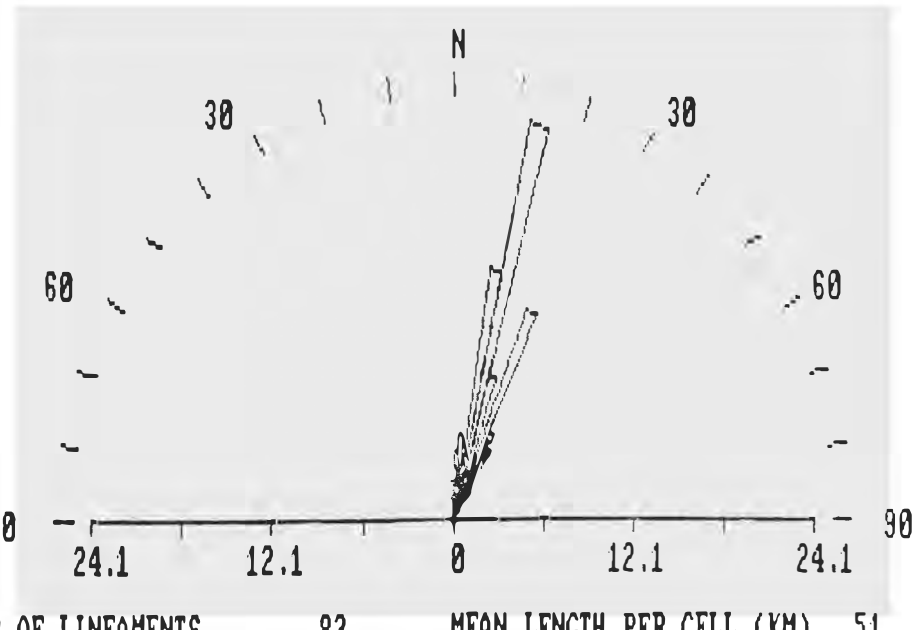

HVERFJALL 2
3 DEGREE CELL
LENGTH
PER CELL
(%)
42.69
28.46
14.23
0
90
60
30
0
30
60
90
W
AZIMUTH
E

FIG.6



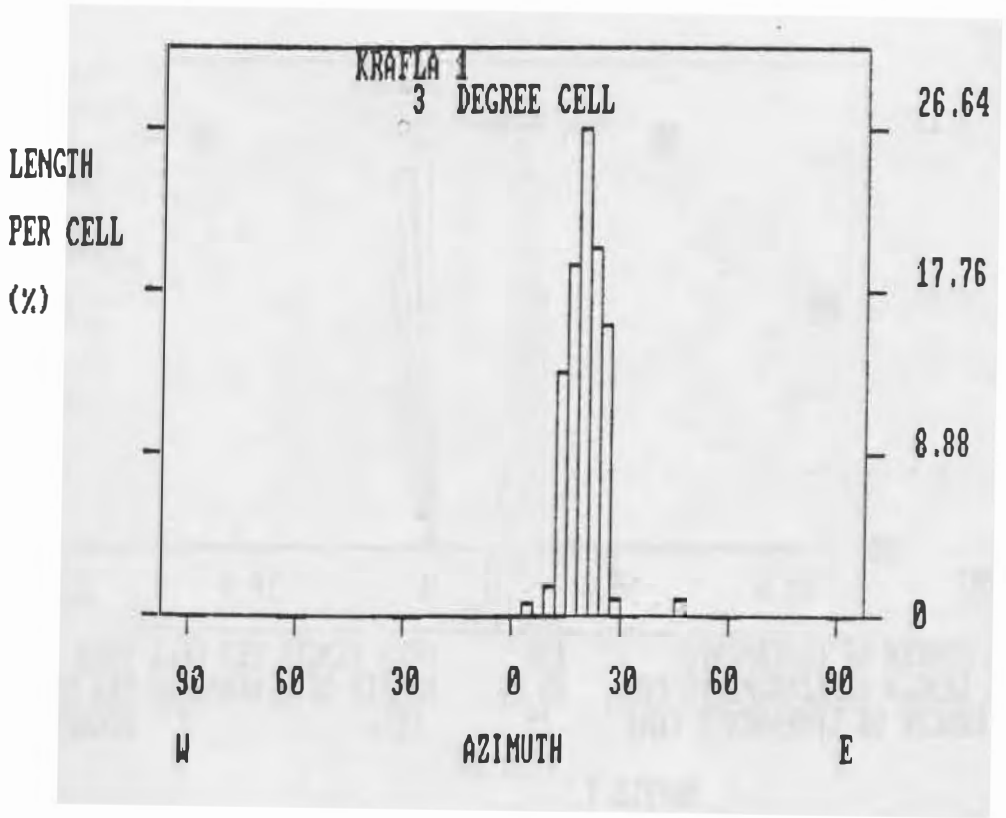
TOTAL NUMBER OF LINEAMENTS	24	MEAN LENGTH PER CELL (KM)	.26
TOTAL LENGTH OF LINEAMENTS (KM)	15.85	NUMBER OF LINEAMENTS PER CELL	.4
MEAN LENGTH OF LINEAMENTS (KM)	.66	CELL 3	DEGREES

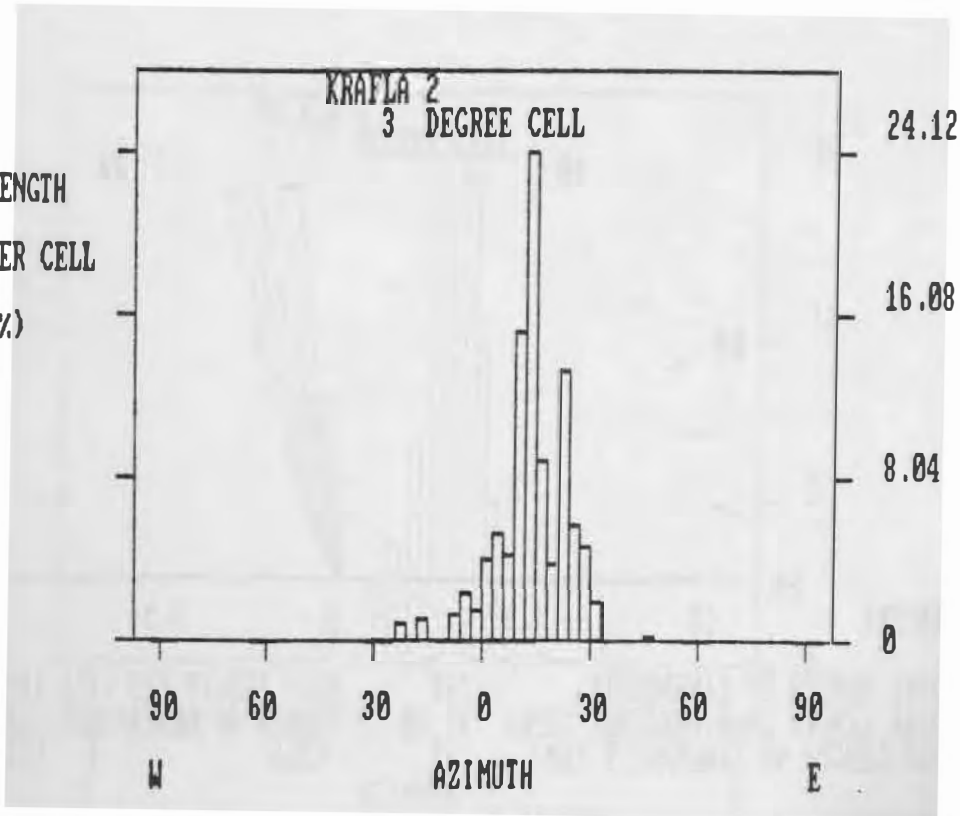
KRAFLA 1

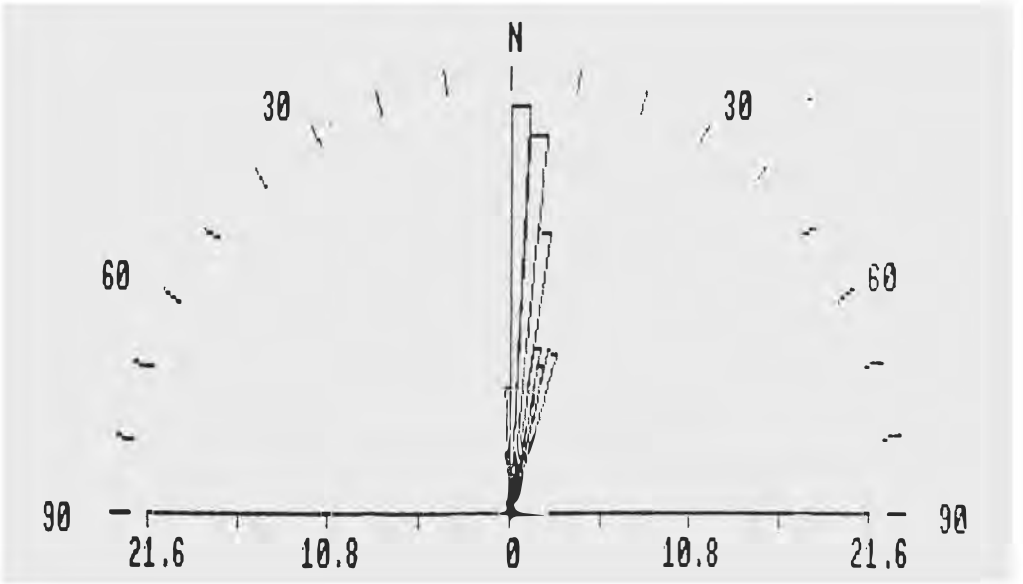


TOTAL NUMBER OF LINEAMENTS	82	MEAN LENGTH PER CELL (KM)	.51
TOTAL LENGTH OF LINEAMENTS (KM)	30.34	NUMBER OF LINEAMENTS PER CELL	1.37
MEAN LENGTH OF LINEAMENTS (KM)	.37	CELL 3	DEGREES

KRAFLA 2

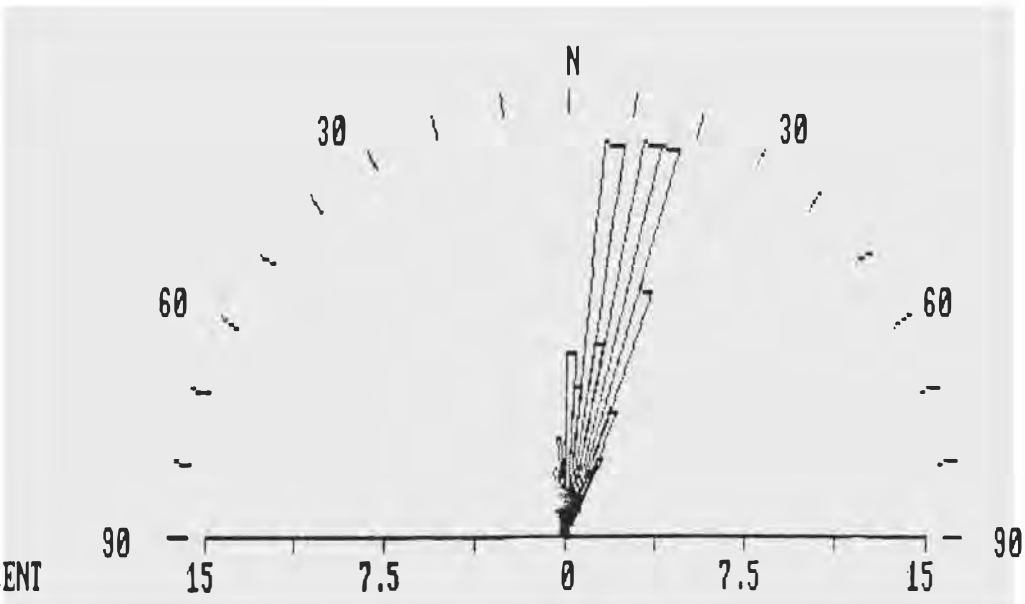

KRAFLA 1
3 DEGREE CELL
LENGTH
PER CELL
(%)
26.64
17.76
8.88
0
90
60
30
0
30
60
90
W
AZIMUTH
E


KRAFLA 2
3 DEGREE CELL
LENGTH
PER CELL
(%)
24.12
16.08
8.04
0
90
60
30
0
30
60
90
W
AZIMUTH
E



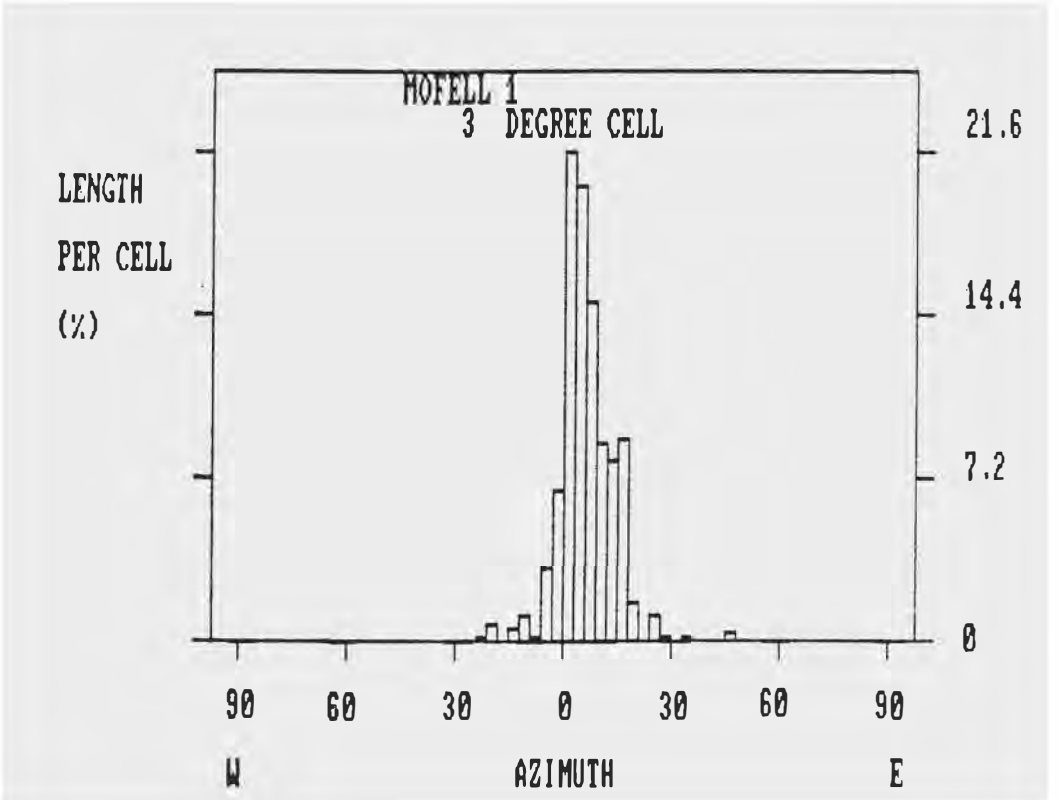
TOTAL NUMBER OF LINEAMENTS	126	MEAN LENGTH PER CELL (KM)	.73
TOTAL LENGTH OF LINEAMENTS (KM)	43.67	NUMBER OF LINEAMENTS PER CELL	2.1
MEAN LENGTH OF LINEAMENTS (KM)	.35	CELL 3 DEGREES	

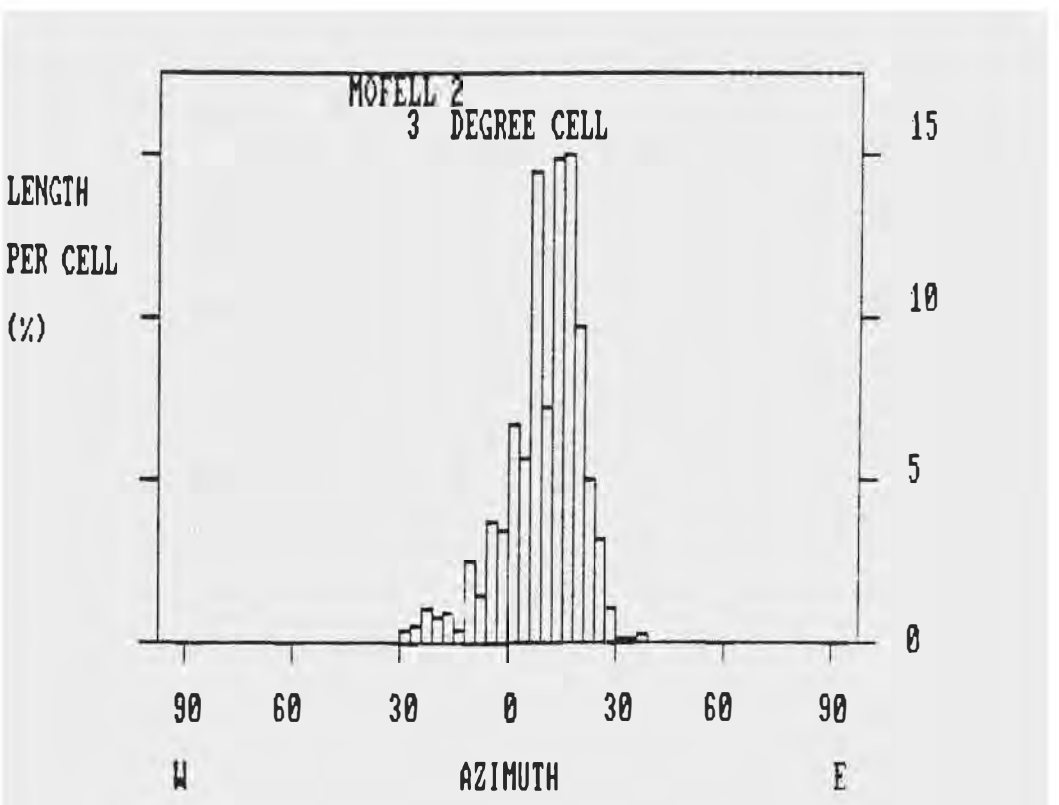
MOFELL 1

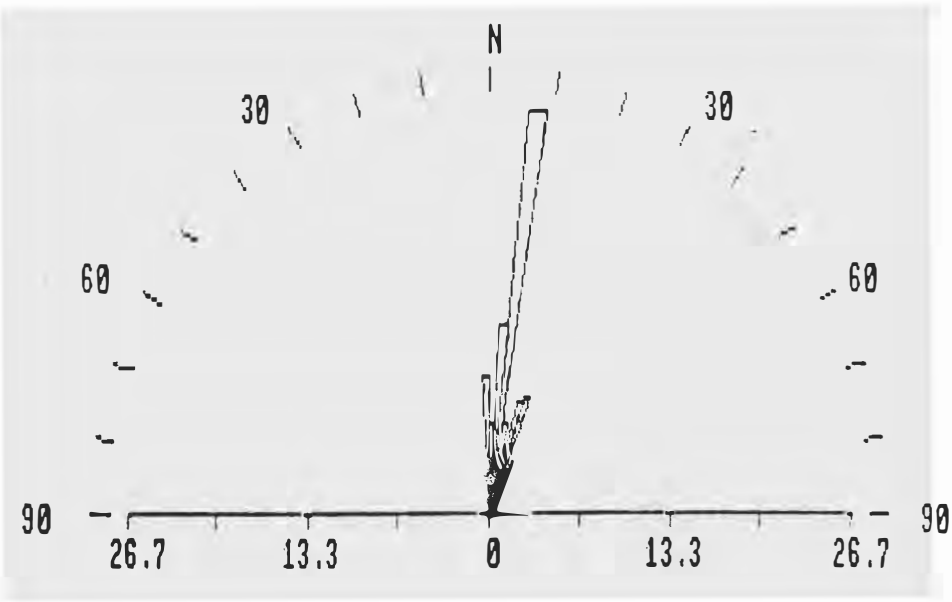


TOTAL NUMBER OF LINEAMENTS	266	MEAN LENGTH PER CELL (KM)	1.53
TOTAL LENGTH OF LINEAMENTS (KM)	91.87	NUMBER OF LINEAMENTS PER CELL	4.43
MEAN LENGTH OF LINEAMENTS (KM)	.35	CELL 3 DEGREES	

MOFELL 2

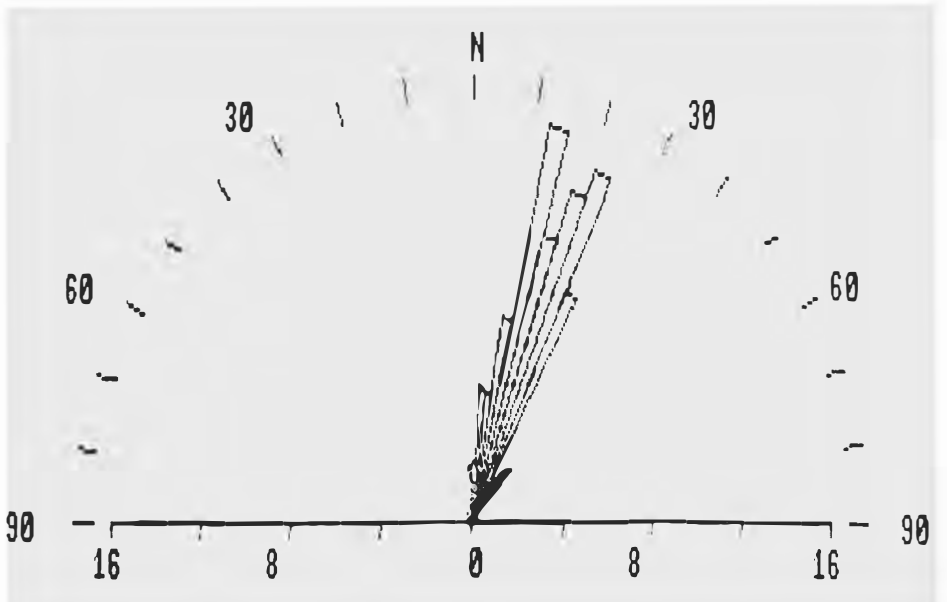

MOFELL 1
3 DEGREE CELL
LENGTH
PER CELL
(%)
21.6
14.4
7.2
0
90
60
30
0
30
60
90
W
AZIMUTH
E


MOFELL 2
3 DEGREE CELL
LENGTH
PER CELL
(%)
15
10
5
0
90
60
30
0
30
60
90
W
AZIMUTH
E



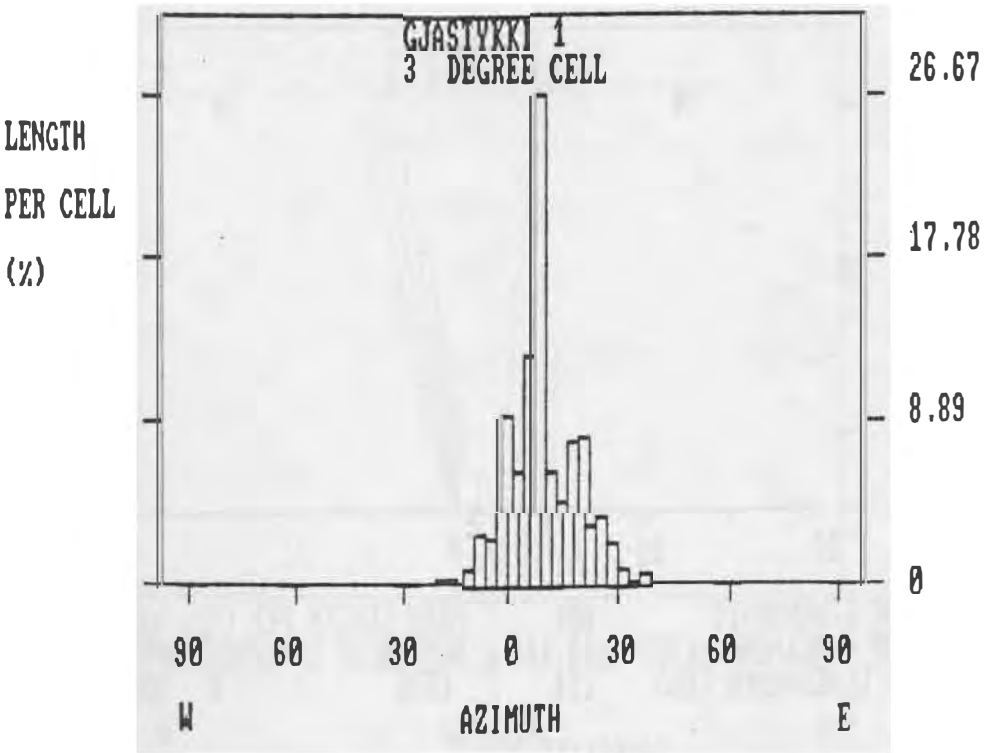
TOTAL NUMBER OF LINEAMENTS	215	MEAN LENGTH PER CELL (KM)	.98
TOTAL LENGTH OF LINEAMENTS (KM)	58.52	NUMBER OF LINEAMENTS PER CELL	3.58
MEAN LENGTH OF LINEAMENTS (KM)	.27	CELL 3 DEGREES	

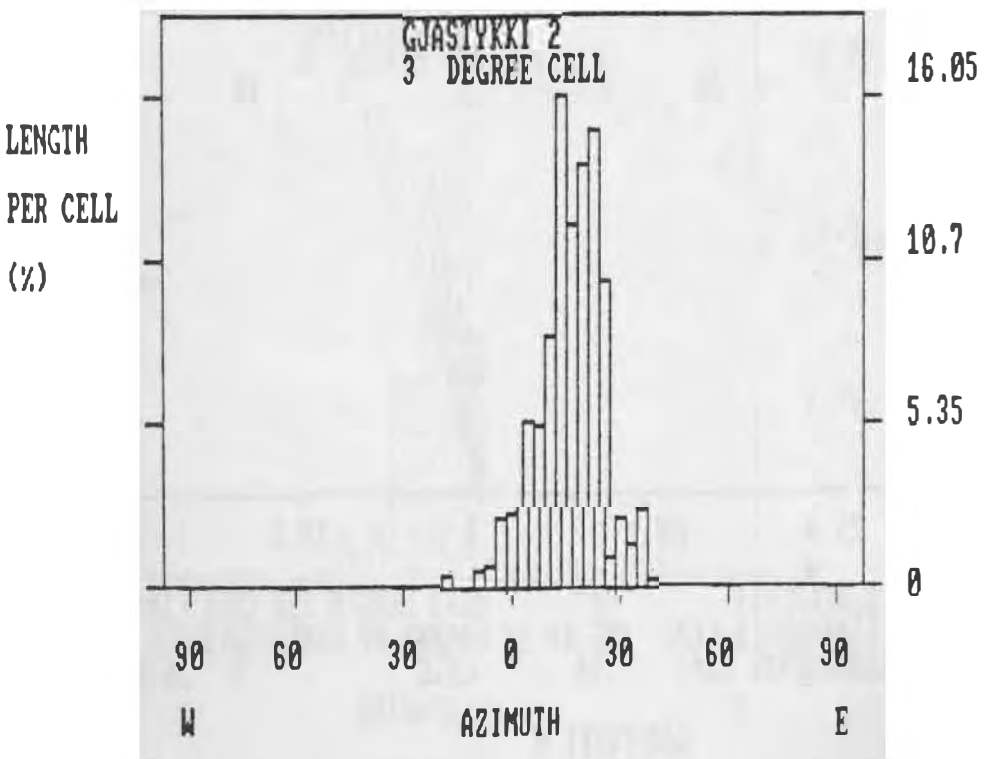
GJ 1

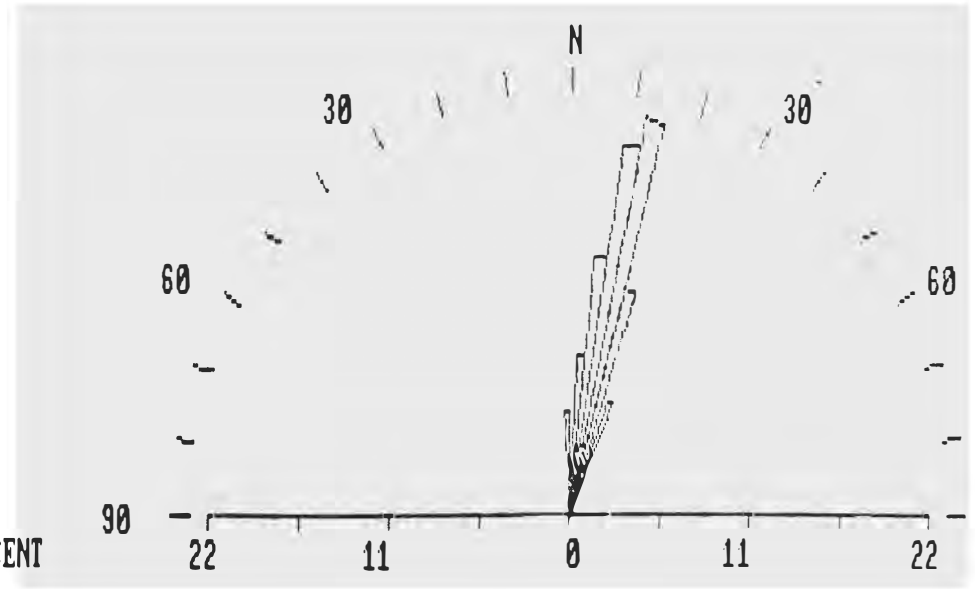


TOTAL NUMBER OF LINEAMENTS	131	MEAN LENGTH PER CELL (KM)	.59
TOTAL LENGTH OF LINEAMENTS (KM)	35.65	NUMBER OF LINEAMENTS PER CELL	2.18
MEAN LENGTH OF LINEAMENTS (KM)	.27	CELL 3 DEGREES	

GJASTYKKI 2

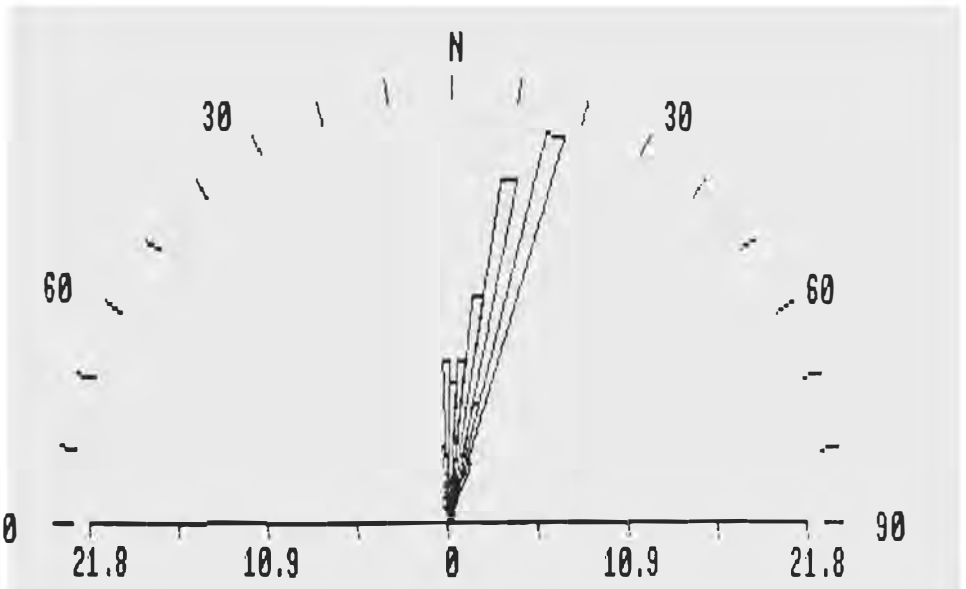

GJASTYKKI 1
3 DEGREE CELL
LENGTH
PER CELL
(%)
26.67
17.78
8.89
0
90
60
30
0
30
60
90
W
AZIMUTH
E


GJASTYKKI 2
3 DEGREE CELL
LENGTH
PER CELL
(%)
16.05
10.7
5.35
0
90
60
30
0
30
60
90
W
AZIMUTH
E



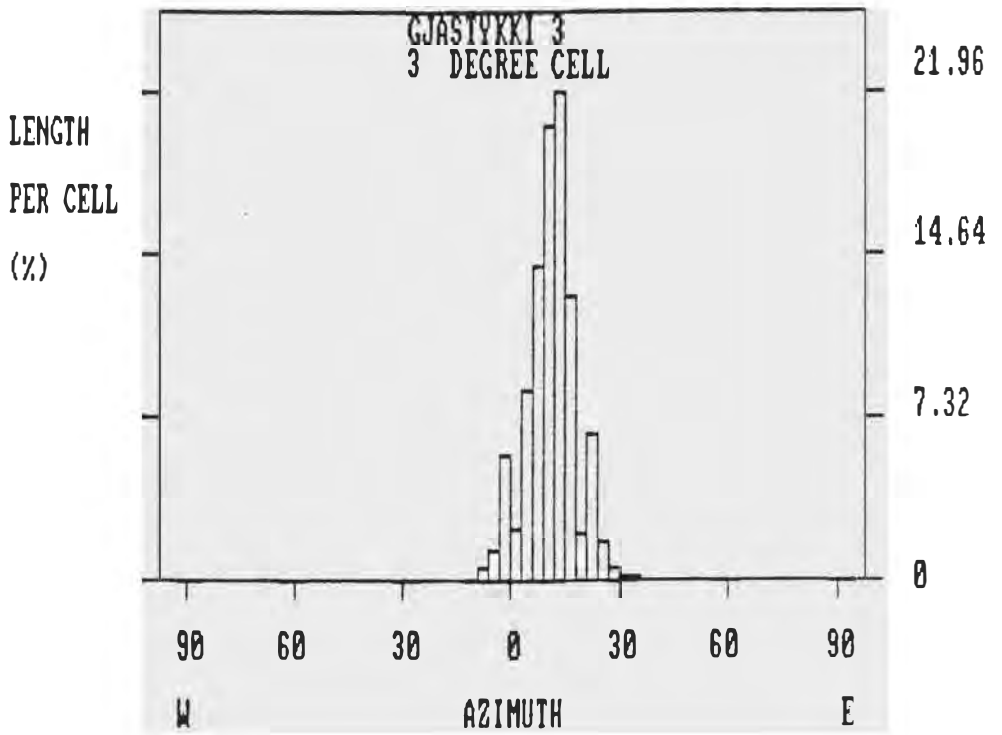
TOTAL NUMBER OF LINEAMENTS	101	MEAN LENGTH PER CELL (KM)	.57
TOTAL LENGTH OF LINEAMENTS (KM)	34.18	NUMBER OF LINEAMENTS PER CELL	1.68
MEAN LENGTH OF LINEAMENTS (KM)	.34	CELL 3 DEGREES	

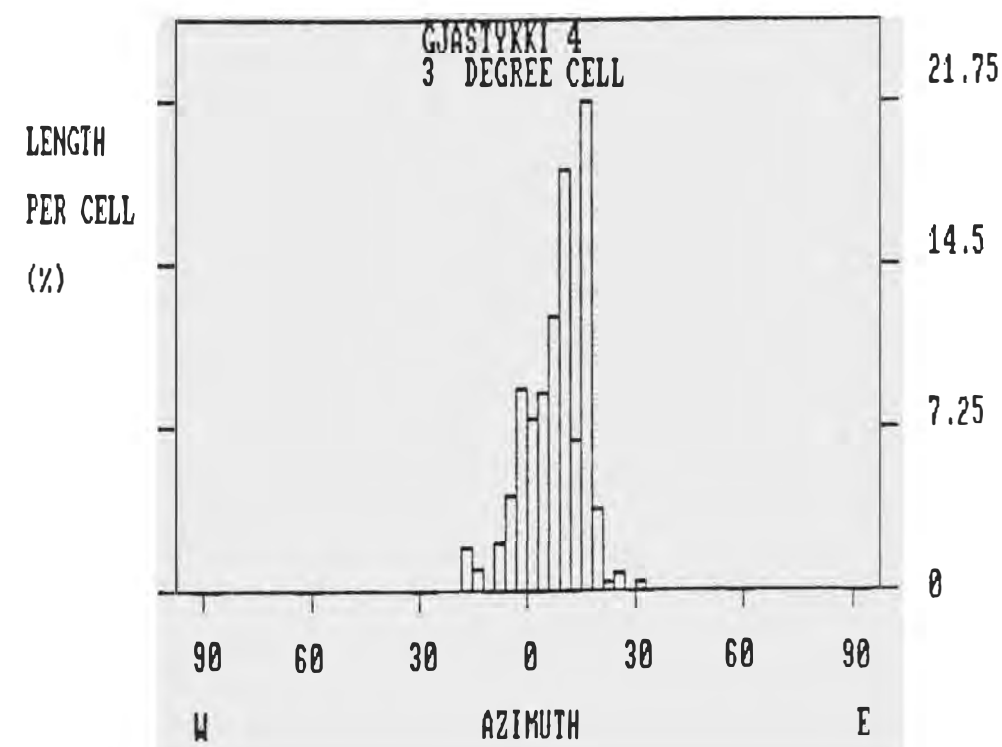
GJASTYKKI 3



TOTAL NUMBER OF LINEAMENTS	80	MEAN LENGTH PER CELL (KM)	.45
TOTAL LENGTH OF LINEAMENTS (KM)	26.89	NUMBER OF LINEAMENTS PER CELL	1.33
MEAN LENGTH OF LINEAMENTS (KM)	.34	CELL 3 DEGREES	

GJASTYKKI 4


GJASTYKKI 3
3 DEGREE CELL
LENGTH
PER CELL
(%)
21.96
14.64
7.32
0
90
60
30
0
30
60
90
W
AZIMUTH
E


GJASTYKKI 4
3 DEGREE CELL
LENGTH
PER CELL
(%)
21.75
14.5
7.25
0
90
60
30
0
30
60
90
W
AZIMUTH
E

Appendix 1

Statistical data from each of the 10 subareas as well as from the two main areas, Krafla and Gjastykki.

HVERFJALL 2

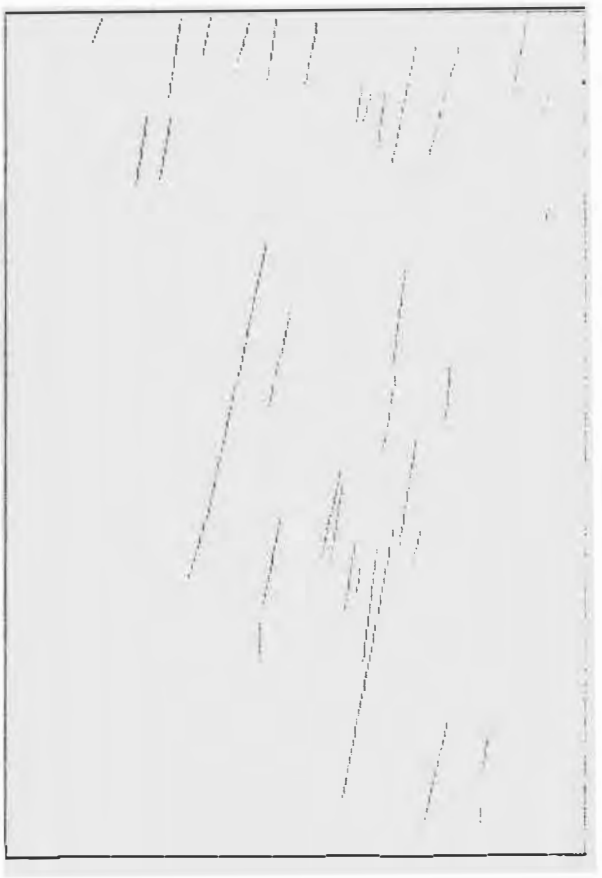
	X	Y
ORIGIN	1.350	0.012
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
-0.000

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
33.934	21.320

NUMBER OF LINEAMENTS
37



HVERFJALL 1

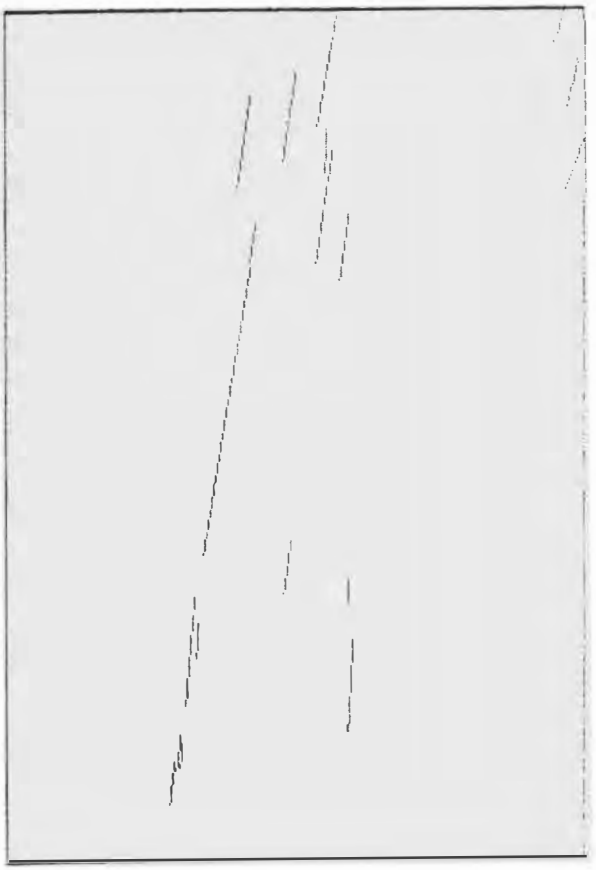
	X	Y
ORIGIN	1.354	0.012
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
-0.001

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
28.261	22.613

NUMBER OF LINEAMENTS
18



KRAFLA 2

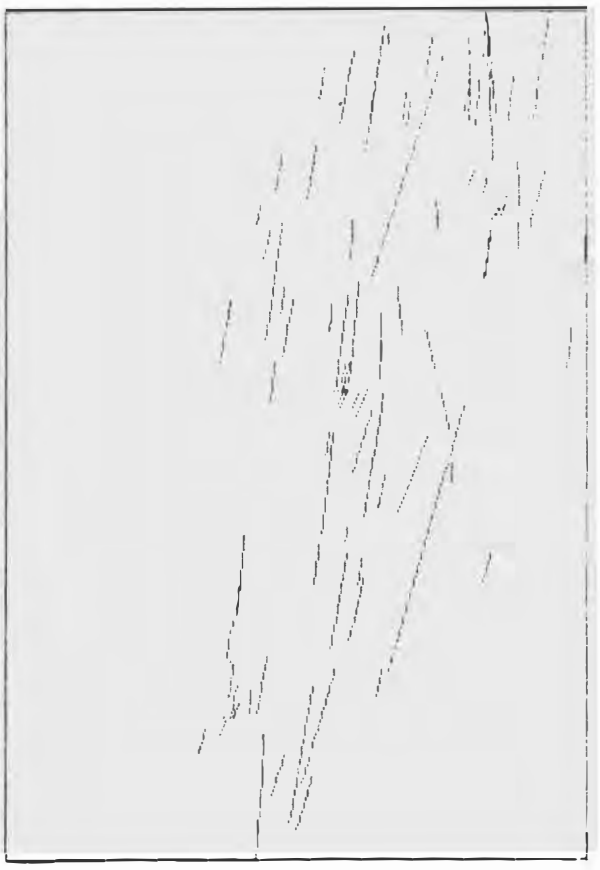
	X	Y
ORIGIN	1.343	0.012
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
0.000

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
35.512	21.357

NUMBER OF LINEAMENTS
83



KRAFLA 1

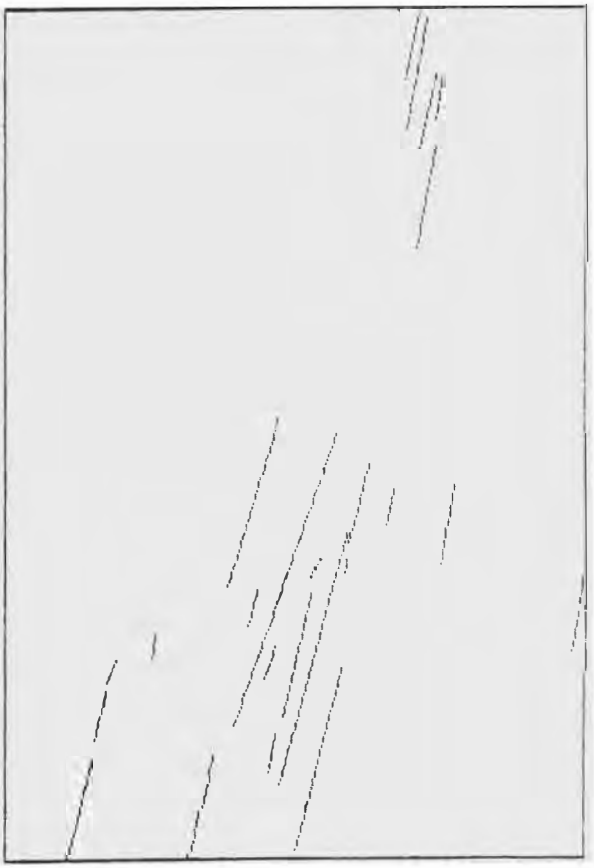
	X	Y
ORIGIN	1.370	0.016
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
-0.000

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
35.556	21.419

NUMBER OF LINEAMENTS
24



MOFELL 2

	X	Y
ORIGIN	1.358	0.016
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
-0.000

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
26.167	18.936

NUMBER OF LINEAMENTS
282

MOFELL 1

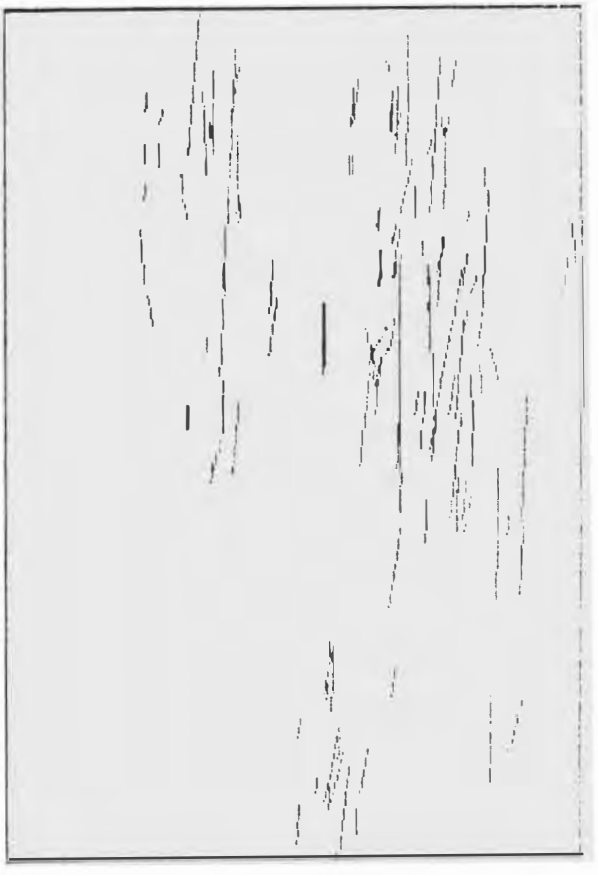
	X	Y
ORIGIN	1.350	0.016
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
-0.000

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
30.660	19.888

NUMBER OF LINEAMENTS
129



GJASTYKKI 2

	X	Y
ORIGIN	4.154	0.319
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
-0.000

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
43.336	31.930

NUMBER OF LINEAMENTS
150

GJASTYKKI 1

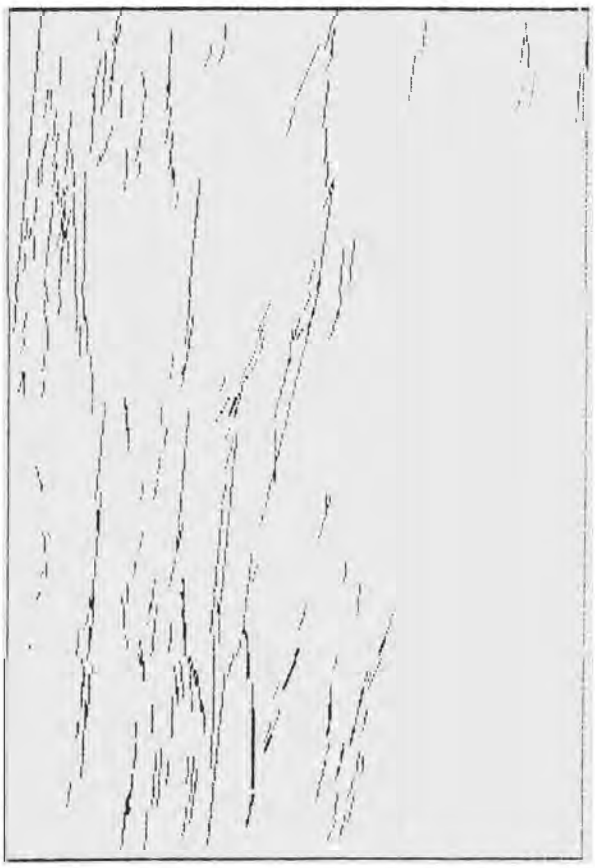
	X	Y
ORIGIN	4.157	0.327
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
0.000

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
52.433	30.206

NUMBER OF LINEAMENTS
246



GJASTYKKI 4

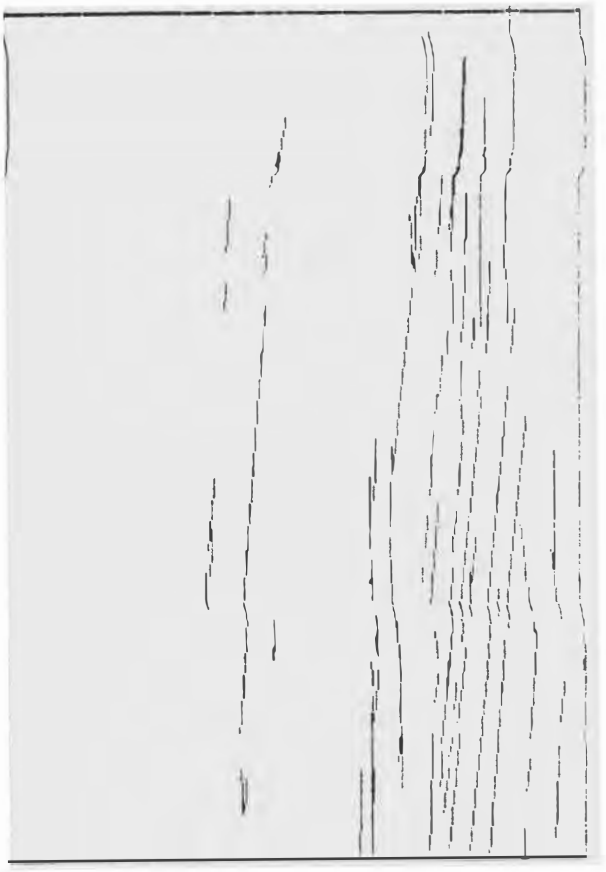
	X	Y
ORIGIN	4.189	0.315
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
-0.001

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
43.603	52.119

NUMBER OF LINEAMENTS
98



GJASTYKKI 3

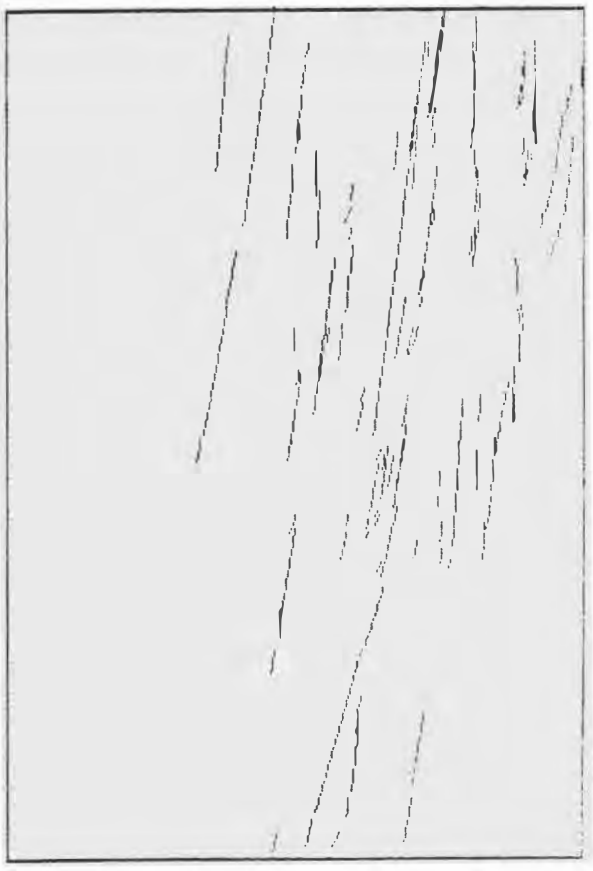
	X	Y
ORIGIN	4.142	0.307
SHIFT	0.000	0.000

ROTATIONAL CORRECTION
0.001

SCALE FACTOR
1.000

X-SCALE	Y-SCALE
48.236	30.537

NUMBER OF LINEAMENTS
125



STATISTICAL SUMMARY BY 3 DEGREE INTERVALS

KRAPLA SCALE FACTOR 35480.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	00	00	00	.0

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	00	00	00	00	0

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	1
PERCENT	.00	.00	00	.00	00	00	1

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	2.	6.	6.	6.	4.	12.	11.
PERCENT	.36	1.08	1.08	1.08	.72	2.17	1.9

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	22.	22.	48.	46.	54.	52.	78.
PERCENT	3.98	3.98	8.68	8.32	9.76	9.40	14.1

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	65.	41.	29.	16.	17.	6.	4.
PERCENT	11.75	7.41	5.24	2.89	3.07	1.08	.7

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	2.	0.	0.	3.	0.	0.	0.
PERCENT	.36	.00	.00	.54	.00	.00	.0

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.0

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.23	.47	.70	.93	1.17	1.40
FREQUENCY	261.	150.	73.	34.	14.	7.	1.
PERCENT	47.20	27.12	13.20	6.15	2.53	1.27	.18
LENGTH	1.63	1.87	2.10	2.33	2.57	2.80	3.03
FREQUENCY	2.	4.	2.	3.	1.	0.	0.
PERCENT	.36	.72	.36	.54	.18	.00	.00
LENGTH	3.27						
FREQUENCY	1.						
PERCENT	.18						

AVERAGE .38 STD DEVIATION = .40 FREQUENCY = 553

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA SCALE FACTOR 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMU LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W	1	.35	.35	.00	.35	.35
27W TO 24W	2	.58	.29	.02	.30	.28
24W TO 21W	6	1.16	.19	.07	.31	.13
21W TO 18W	6	1.38	.23	.10	.34	.08
18W TO 15W	6	1.34	.22	.21	.63	.07
15W TO 12W	4	.60	.15	.08	.24	.07
12W TO 9W	12	2.89	.24	.18	.67	.10
9W TO 6W	11	1.95	.18	.13	.49	.07
6W TO 3W	22	5.68	.26	.20	.87	.07
3W TO 0	22	6.57	.30	.24	1.09	.11

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA SCALE FACTOR = 25460.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	48	18.06	.38	.28	1.12	.10
3E TO 6E	46	15.85	.34	.45	2.46	.07
6E TO 9E	54	22.33	.41	.50	2.68	.07
9E TO 12E	52	17.99	.35	.25	1.20	.08
12E TO 15E	78	32.66	.42	.31	1.75	.06
15E TO 18E	65	36.03	.55	.61	3.50	.09
18E TO 21E	41	17.54	.43	.29	1.38	.07
21E TO 24E	29	14.03	.48	.53	1.98	.07
24E TO 27E	16	8.06	.50	.63	2.28	.06
27E TO 30E	17	3.49	.21	.12	.57	.10
30E TO 33E	6	1.05	.18	.10	.37	.10
33E TO 36E	4	.99	.25	.17	.46	.11
36E TO 39E	2	.27	.13	.08	.19	.08
39E TO 42E			NO OBSERVATIONS FOR THIS CELL			
42E TO 45E			NO OBSERVATIONS FOR THIS CELL			
45E TO 48E	3	.47	.16	.06	.22	.09
48E TO 51E			NO OBSERVATIONS FOR THIS CELL			
51E TO 54E			NO OBSERVATIONS FOR THIS CELL			
54E TO 57E			NO OBSERVATIONS FOR THIS CELL			
57E TO 60E			NO OBSERVATIONS FOR THIS CELL			
60E TO 63E			NO OBSERVATIONS FOR THIS CELL			
63E TO 66E			NO OBSERVATIONS FOR THIS CELL			
66E TO 69E			NO OBSERVATIONS FOR THIS CELL			
69E TO 72E			NO OBSERVATIONS FOR THIS CELL			
72E TO 75E			NO OBSERVATIONS FOR THIS CELL			
75E TO 78E			NO OBSERVATIONS FOR THIS CELL			
78E TO 81E			NO OBSERVATIONS FOR THIS CELL			
81E TO 84E			NO OBSERVATIONS FOR THIS CELL			
84E TO 87E			NO OBSERVATIONS FOR THIS CELL			
87E TO 90E			NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 553
TOTAL LENGTH 211.32
AVERAGE LENGTH = .38
STD. DEVIATION = .40

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W	1	.35	.17	.35	.00
27W TO 24W	2	.58	.28	.29	.02
24W TO 21W	6	1.16	.55	19	.07
21W TO 18W	6	1.38	.65	.23	.10
18W TO 15W	6	1.34	.63	.22	.21
15W TO 12W	4	.60	.28	15	.08
12W TO 9W	12	2.89	1.37	.24	.18
9W TO 6W	11	1.95	.92	.18	13
6W TO 3W	22	5.68	2.69	.26	.20
3W TO 0	22	6.57	3.11	.30	.24

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA SCALE FACTOR = 25460.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	48	18.06	8.54	.38	.28
3E TO 6E	46	15.85	7.50	.34	.45
6E TO 9E	54	22.33	10.57	.41	.50
9E TO 12E	52	17.99	8.51	.35	.25
12E TO 15E	78	32.66	15.46	.42	.31
15E TO 18E	65	36.03	17.05	.55	.61
18E TO 21E	41	17.54	8.30	.43	.29
21E TO 24E	29	14.03	6.64	.48	.53
24E TO 27E	16	8.06	3.81	.50	.63
27E TO 30E	17	3.49	1.65	.21	.12
30E TO 33E	6	1.05	.50	.18	.10
33E TO 36E	4	.99	.47	.25	.17
36E TO 39E	2	.27	.13	.13	.08
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E	3	.47	.22	.16	.06
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 553
TOTAL LENGTH = 211.32
AVERAGE LENGTH = .38
STD. DEVIATION = .40
STANDARD DEVIATION OF LENGTH BY CELL = 7.92

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	1.	5.	4.	3.	12.
PERCENT	.00	.00	.19	.95	.76	.57	2.28

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	14.	31.	24.	56.	77.	51.	49.
PERCENT	2.66	5.88	4.55	10.63	14.61	9.68	9.30

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	67.	38.	38.	25.	10.	8.	6.
PERCENT	12.71	7.21	7.21	4.74	1.90	1.52	1.14

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	7.	1.	0.	0.	0.	0.	0.
PERCENT	1.33	.19	.00	.00	.00	.00	.00

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.18	.37	.55	.73	.91	1.10
FREQUENCY	245.	176.	46.	20.	15.	11.	5.
PERCENT	46.49	33.40	8.73	3.80	2.85	2.09	.95

LENGTH	1.28	1.46	1.65	1.83	2.01	2.20	2.38
FREQUENCY	0.	3.	2.	2.	0.	1.	0.
PERCENT	.00	.57	.38	.38	.00	.19	.00

LENGTH	2.56
FREQUENCY	1.
PERCENT	.19

AVERAGE = .29 STD DEVIATION = .30 FREQUENCY = 527

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMU LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W	1	.16	.16	.00	.16	.16
18W TO 15W	5	.88	.18	.07	.28	.11
15W TO 12W	4	.40	.10	.01	.11	.10
12W TO 9W	3	.62	.21	.10	.29	.10
9W TO 6W	12	2.68	.22	.06	.35	.14
6W TO 3W	14	3.50	.25	.24	1.01	.10
3W TO 0	31	10.75	.35	.23	.96	.10

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	24	7.35	.31	.28	1.05	.09
3E TO 6E	56	14.37	.26	.17	.79	.09
6E TO 9E	77	25.76	.34	.36	2.21	.09
9E TO 12E	51	18.49	.36	.44	2.75	.10
12E TO 15E	49	18.13	.37	.38	1.84	.09
15E TO 18E	67	18.52	.28	.32	1.96	.09
18E TO 21E	38	11.51	.30	.34	1.80	.09
21E TO 24E	38	9.64	.25	.24	1.14	.09
24E TO 27E	25	6.55	.26	.20	.98	.10
27E TO 30E	10	2.01	.20	.08	.33	.11
30E TO 33E	8	1.62	.20	.11	.42	.10
33E TO 36E	6	.83	.14	.03	.18	.10
36E TO 39E	7	1.35	.19	.10	.33	.10
39E TO 42E	1	.13	.13	.00	.13	.13
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	NO OBSERVATIONS FOR THIS CELL					
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY = 527
TOTAL LENGTH = 155.23
AVERAGE LENGTH = .29
STD. DEVIATION = .30

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W	1	.16	.10	.16	.00
18W TO 15W	5	.88	.57	.18	.07
15W TO 12W	4	.40	.26	.10	.01
12W TO 9W	3	62	.40	.21	.10
9W TO 6W	12	2.68	1.73	.22	.06
6W TO 3W	14	3.50	2.26	.25	.24
3W TO 0	31	10.75	6.93	.35	.23

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	24	7.35	4.73	.31	.26
3E TO 6E	56	14.37	9.26	.26	.17
6E TO 9E	77	25.76	16.59	.34	.36
9E TO 12E	51	18.49	11.91	.36	.44
12E TO 15E	49	18.13	11.68	.37	.38
15E TO 18E	67	18.52	11.93	.28	.32
18E TO 21E	38	11.51	7.41	.30	.34
21E TO 24E	38	9.64	6.21	.25	.24
24E TO 27E	25	6.55	4.22	.26	.20
27E TO 30E	10	2.01	1.30	.20	.08
30E TO 33E	8	1.62	1.04	.20	.11
33E TO 36E	6	.83	.53	.14	.03
36E TO 39E	7	1.35	.87	.19	.10
39E TO 42E	1	.13	.08	.13	.00
42E TO 45E	NO OBSERVATIONS FOR THIS CELL				
45E TO 48E	NO OBSERVATIONS FOR THIS CELL				
48E TO 51E	NO OBSERVATIONS FOR THIS CELL				
51E TO 54E	NO OBSERVATIONS FOR THIS CELL				
54E TO 57E	NO OBSERVATIONS FOR THIS CELL				
57E TO 60E	NO OBSERVATIONS FOR THIS CELL				
60E TO 63E	NO OBSERVATIONS FOR THIS CELL				
63E TO 66E	NO OBSERVATIONS FOR THIS CELL				
66E TO 69E	NO OBSERVATIONS FOR THIS CELL				
69E TO 72E	NO OBSERVATIONS FOR THIS CELL				
72E TO 75E	NO OBSERVATIONS FOR THIS CELL				
75E TO 78E	NO OBSERVATIONS FOR THIS CELL				
78E TO 81E	NO OBSERVATIONS FOR THIS CELL				
81E TO 84E	NO OBSERVATIONS FOR THIS CELL				
84E TO 87E	NO OBSERVATIONS FOR THIS CELL				
87E TO 90E	NO OBSERVATIONS FOR THIS CELL				

TOTAL FREQUENCY = 527
TOTAL LENGTH 155.23
AVERAGE LENGTH .29
STD. DEVIATION = .30
STANDARD DEVIATION OF LENGTH BY CELL = 5.75

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

SJASTYKKI 1 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	1.	1.	1	3.	7.
PERCENT	.00	.00	.47	.47	.47	1.40	3.26
AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	8.	16.	11.	26.	39.	14.	11.
PERCENT	3.72	7.44	5.12	12.09	18.14	6.51	5.12
AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	25.	16.	12.	11.	7	2.	1.
PERCENT	11.63	7.44	5.58	5.12	3.26	.93	.47
AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	3.	0.	0.	0.	0.	0.	0.
PERCENT	1.40	.00	.00	.00	.00	.00	.00
AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	78	81	84	87	90		
FREQUENCY	0.	0.	0.	0.	0.		
PERCENT	.00	.00	.00	.00	.00		

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 1 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.15	.30	.44	59	.74	.89
FREQUENCY	64.	99.	28.	7.	4.	4.	3.
PERCENT	29.77	46.05	13.02	3.26	1 86	1.86	1 40
LENGTH	1.03	1.18	1.33	1.48	1.62	1.77	1.92
FREQUENCY	2.	2.	0.	0.	0.	1.	0.
PERCENT	.93	.93	.00	.00	00	.47	.00
LENGTH	2.07						
FREQUENCY	1.						
PERCENT	.47						

AVERAGE .27 STD. DEVIATION = .27 FREQUENCY = 215

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 1 SCALE FACTOR 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W	1	.16	.16	.00	.16	.16
18W TO 15W	1	.19	.19	.00	.19	.19
15W TO 12W	1	.10	.10	.00	.10	.10
12W TO 9W	3	.62	.21	.10	.29	.10
9W TO 6W	7	1.70	.24	.08	.35	.14
6W TO 3W	8	1.59	.20	.11	.38	.10
3W TO 0	16	5.39	.34	.24	.96	.10

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 1 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	11	3.59	.33	.32	1.01	.09
3E TO 6E	26	7.27	.28	.18	.79	.10
6E TO 9E	39	15.61	.40	.44	2.21	.09
9E TO 12E	14	3.65	.26	.20	.83	.10
12E TO 15E	11	2.59	.24	.14	.49	.10
15E TO 18E	25	4.55	.18	.08	.39	.09
18E TO 21E	16	4.75	.30	.41	1.80	.09
21E TO 24E	12	1.96	.16	.07	.32	.10
24E TO 27E	11	2.24	.20	.08	.32	.10
27E TO 30E	7	1.45	.21	.08	.33	.11
30E TO 33E	2	.55	.28	.20	.42	.14
33E TO 36E	1	.18	.18	.00	.18	.18
36E TO 39E	3	.41	.14	.05	.19	.10
39E TO 42E	NO OBSERVATIONS FOR THIS CELL					
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	NO OBSERVATIONS FOR THIS CELL					
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY = 215
TOTAL LENGTH = 58.52
AVERAGE LENGTH = .27
STD. DEVIATION = .27

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 1 SCALE FACTOR = 35700

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDA DEVIATI
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W	1	.16	.26	.16	.00
18W TO 15W	1	.19	.33	.19	.00
15W TO 12W	1	.10	.17	.10	.00
12W TO 9W	3	.62	1.06	.21	.10
9W TO 6W	7	1.70	2.90	.24	.08
6W TO 3W	8	1.59	2.72	.20	.11
3W TO 0	16	5.39	9.20	.34	.24

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 1 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	11	3.59	6.14	.33	.32
3E TO 6E	26	7.27	12.41	.28	.18
6E TO 9E	39	15.61	26.67	.40	.44
9E TO 12E	14	3.65	6.24	.26	.20
12E TO 15E	11	2.59	4.42	.24	.14
15E TO 18E	25	4.55	7.77	.18	.08
18E TO 21E	16	4.75	8.12	.30	.41
21E TO 24E	12	1.96	3.34	.16	.07
24E TO 27E	11	2.24	3.82	.20	.08
27E TO 30E	7	1.45	2.47	.21	.08
30E TO 33E	2	.55	.94	.28	.20
33E TO 36E	1	.18	.30	.18	.00
36E TO 39E	3	.41	.70	.14	.05
39E TO 42E	NO OBSERVATIONS FOR THIS CELL				
42E TO 45E	NO OBSERVATIONS FOR THIS CELL				
45E TO 48E	NO OBSERVATIONS FOR THIS CELL				
48E TO 51E	NO OBSERVATIONS FOR THIS CELL				
51E TO 54E	NO OBSERVATIONS FOR THIS CELL				
54E TO 57E	NO OBSERVATIONS FOR THIS CELL				
57E TO 60E	NO OBSERVATIONS FOR THIS CELL				
60E TO 63E	NO OBSERVATIONS FOR THIS CELL				
63E TO 66E	NO OBSERVATIONS FOR THIS CELL				
66E TO 69E	NO OBSERVATIONS FOR THIS CELL				
69E TO 72E	NO OBSERVATIONS FOR THIS CELL				
72E TO 75E	NO OBSERVATIONS FOR THIS CELL				
75E TO 78E	NO OBSERVATIONS FOR THIS CELL				
78E TO 81E	NO OBSERVATIONS FOR THIS CELL				
81E TO 84E	NO OBSERVATIONS FOR THIS CELL				
84E TO 87E	NO OBSERVATIONS FOR THIS CELL				
87E TO 90E	NO OBSERVATIONS FOR THIS CELL				

TOTAL FREQUENCY = 215
TOTAL LENGTH = 58.52
AVERAGE LENGTH = .27
STD. DEVIATION = .27
STANDARD DEVIATION OF LENGTH BY CELL = 2.48

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 2 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0
PERCENT	.00	.00	.00	.00	.00	.00	

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	0.	1.	0.	0.	1.
PERCENT	.00	.00	.00	.76	.00	.00	

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	2.	3.	4.	8.	12.	9.	13.
PERCENT	1.53	2.29	3.05	6.11	9.16	6.87	9.

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	21.	12.	18.	12.	2.	4.	4.
PERCENT	16.03	9.16	13.74	9.16	1.53	3.05	3.

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	4.	1.	0.	0.	0.	0.	0.
PERCENT	3.05	.76	.00	.00	.00	.00	

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 2 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.12	.24	.37	49	.61	73
FREQUENCY	29.	60.	20.	5.	6.	4.	0.
PERCENT	22.14	45.80	15.27	3.82	4.58	3.05	.00

LENGTH	.86	.98	1.10	1 22	1.35	1.47	1.59
FREQUENCY	4.	0.	0.	1	0.	1.	0.
PERCENT	3.05	.00	.00	.76	.00	.76	00

LENGTH	1.71
FREQUENCY	1.
PERCENT	.76

AVERAGE = .27 STD. DEVIATION = .27 FREQUENCY = 131

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 2 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W			NO OBSERVATIONS FOR THIS CELL			
18W TO 15W	1	.17	.17	.00	.17	.17
15W TO 12W			NO OBSERVATIONS FOR THIS CELL			
12W TO 9W			NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	1	.21	.21	.00	.21	.21
6W TO 3W	2	.29	.14	.07	.19	.10
3W TO 0	3	.83	.28	.10	.35	.16

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 2 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	4	.87	.22	.04	.28	.19
3E TO 6E	8	1.94	.24	.20	.70	.10
6E TO 9E	12	1.87	.16	.06	.29	.09
9E TO 12E	9	2.95	.33	.22	.68	.12
12E TO 15E	13	5.72	.44	.57	1.84	.09
15E TO 18E	21	4.24	.20	.12	.51	.10
18E TO 21E	12	4.91	.41	.35	1.24	.12
21E TO 24E	18	5.32	.30	.25	.92	.09
24E TO 27E	12	3.57	.30	.27	.98	.11
27E TO 30E	2	.36	.18	.09	.24	.12
30E TO 33E	4	.82	.21	.08	.32	.14
33E TO 36E	4	.52	.13	.02	.14	.10
36E TO 39E	4	.94	.24	.11	.38	.11
39E TO 42E	1	.13	.13	.00	.13	.13
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	NO OBSERVATIONS FOR THIS CELL					
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY = 131
TOTAL LENGTH = 35.64
AVERAGE LENGTH .27
STD. DEVIATION = .27

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 2 SCALE FACTOR = 35700

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDA DEVIATI
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W		NO OBSERVATIONS FOR THIS CELL			
18W TO 15W	1	.17	.47	.17	.00
15W TO 12W		NO OBSERVATIONS FOR THIS CELL			
12W TO 9W		NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	1	.21	.59	.21	.00
6W TO 3W	2	.29	.81	14	.07
3W TO 0	3	.83	2.33	.28	.10

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 3 SCALE FACTOR = 65700.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	0.	0.	0.	0.	1.
PERCENT	.00	.00	.00	.00	.00	.00	.99

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	2.	8.	3.	13.	13.	16.	16.
PERCENT	1.98	7.92	2.97	12.87	12.87	15.84	15.84

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	14.	3.	7.	2.	1.	1.	1.
PERCENT	13.86	2.97	6.93	1.98	.99	.99	.99

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 3 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.18	.37	55	73	.91	1 10
FREQUENCY	41.	33.	11.	7.	3.	2.	1
PERCENT	40.59	32.67	10.89	6.93	2.97	1.98	.99
LENGTH	1.28	1.46	1.65	1.83	2.01	2.20	2.38
FREQUENCY	0.	2.	0.	0.	0.	0.	0.
PERCENT	.00	1.98	.00	.00	.00	.00	.00
LENGTH	2.56						
FREQUENCY	1.						
PERCENT	.99						

AVERAGE = .34 STD. DEVIATION = .37 FREQUENCY 101

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 3 SCALE FACTOR = 35700

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIM LENGT
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W			NO OBSERVATIONS FOR THIS CELL			
18W TO 15W			NO OBSERVATIONS FOR THIS CELL			
15W TO 12W			NO OBSERVATIONS FOR THIS CELL			
12W TO 9W			NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	1	.20	.20	.00	.20	.2(
6W TO 3W	2	.49	.24	.03	.26	.2(
3W TO 0	8	1.96	.25	.16	.61	.1(

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 3 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	3	.82	.27	.23	.54	.10
3E TO 6E	13	2.96	.23	.15	.60	.09
6E TO 9E	13	4.84	.37	.30	1.01	.10
9E TO 12E	16	6.97	.44	.64	2.75	.10
12E TO 15E	16	7.51	.47	.39	1.54	.10
15E TO 18E	14	4.39	.31	.38	1.54	.10
18E TO 21E	3	.74	.25	.23	.51	.10
21E TO 24E	7	2.24	.32	.36	1.14	.13
24E TO 27E	2	.65	.32	.24	.49	.15
27E TO 30E	1	.21	.21	.00	.21	.21
30E TO 33E	1	.10	.10	.00	.10	.10
33E TO 36E	1	.13	.13	.00	.13	.13
36E TO 39E	NO OBSERVATIONS FOR THIS CELL					
39E TO 42E	NO OBSERVATIONS FOR THIS CELL					
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	NO OBSERVATIONS FOR THIS CELL					
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY = 101
TOTAL LENGTH = 34.18
AVERAGE LENGTH = .34
STD. DEVIATION = .37

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 3 SCALE FACTOR = 35700

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDA DEVIATI
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W		NO OBSERVATIONS FOR THIS CELL			
18W TO 15W		NO OBSERVATIONS FOR THIS CELL			
15W TO 12W		NO OBSERVATIONS FOR THIS CELL			
12W TO 9W		NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	1	.20	.57	.20	.00
6W TO 3W	2	.49	1.43	.24	.03
3W TO 0	8	1.96	5.73	.25	.16

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 3 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	3	.82	2.39	.27	.23
3E TO 6E	13	2.96	8.65	.23	.15
6E TO 9E	13	4.84	14.15	.37	.30
9E TO 12E	16	6.97	20.39	.44	.64
12E TO 15E	16	7.51	21.96	.47	.39
15E TO 18E	14	4.39	12.84	.31	.38
18E TO 21E	3	.74	2.17	.25	.23
21E TO 24E	7	2.24	6.56	.32	.36
24E TO 27E	2	.65	1.89	.32	.24
27E TO 30E	1	.21	.61	.21	.00
30E TO 33E	1	.10	.29	.10	.00
33E TO 36E	1	.13	.38	.13	.00
36E TO 39E		NO OBSERVATIONS FOR THIS CELL			
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E		NO OBSERVATIONS FOR THIS CELL			
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 101
TOTAL LENGTH = 34.18
AVERAGE LENGTH = .34
STD. DEVIATION = .37
STANDARD DEVIATION OF LENGTH BY CELL = 1.58

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 4 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0
PERCENT	.00	.00	.00	.00	.00	.00	.0

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.0

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.0

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	0.	3.	3.	0.	3.
PERCENT	.00	.00	.00	3.75	3.75	.00	3.7

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	2.	4.	6.	9.	12.	13.	8.
PERCENT	2.50	5.00	7.50	11.25	15.00	16.25	10.0

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	8.	6.	1.	1.	0.	1.	0.
PERCENT	10.00	7.50	1.25	1.25	.00	1.25	.0

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.0

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.0

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 4 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.13	.26	.39	.52	65	.78
FREQUENCY	17.	33.	11.	5.	3.	3.	2.
PERCENT	21.25	41.25	13.75	6.25	3.75	3.75	2.50
LENGTH	.91	1.05	1.18	1 31	1 44	1 57	1.70
FREQUENCY	3.	1.	0.	0.	0.	0.	1.
PERCENT	3.75	1.25	.00	.00	.00	00	1 25
LENGTH	1.83						
FREQUENCY	1.						
PERCENT	1.25						

AVERAGE = .34 STD. DEVIATION = .35 FREQUENCY = 80

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 4 SCALE FACTOR = 35700

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W			NO OBSERVATIONS FOR THIS CELL			
18W TO 15W	3	.52	.17	.09	.28	.11
15W TO 12W	3	.30	.10	.01	.11	.10
12W TO 9W			NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	3	.59	.20	.02	.21	.18
6W TO 3W	2	1.13	.57	.63	1.01	.12
3W TO 0	4	2.41	.60	.25	.93	.34

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 4 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	6	2.07	.35	.36	1.05	.09
3E TO 6E	9	2.37	.26	.11	.48	.13
6E TO 9E	12	3.33	.28	.22	.75	.09
9E TO 12E	13	5.04	.39	.46	1.76	.10
12E TO 15E	8	1.81	.23	.15	.49	.10
15E TO 18E	6	5.85	.73	.62	1.96	.10
18E TO 21E	6	.98	.16	.08	.31	.10
21E TO 24E	1	.14	.14	.00	.14	.14
24E TO 27E	1	.21	.21	.00	.21	.21
27E TO 30E	NO OBSERVATIONS FOR THIS CELL					
30E TO 33E	1	.15	.15	.00	.15	.15
33E TO 36E	NO OBSERVATIONS FOR THIS CELL					
36E TO 39E	NO OBSERVATIONS FOR THIS CELL					
39E TO 42E	NO OBSERVATIONS FOR THIS CELL					
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	NO OBSERVATIONS FOR THIS CELL					
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY = 80
TOTAL LENGTH = 26.69
AVERAGE LENGTH = .34
STD. DEVIATION = .35

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 4 SCALE FACTOR = 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDAI DEVIATI
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W		NO OBSERVATIONS FOR THIS CELL			
18W TO 15W	3	.52	1.93	.17	.09
15W TO 12W	3	.30	1.12	.10	.01
12W TO 9W		NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	3	.59	2.18	.20	.02
6W TO 3W	2	1.13	4.21	.57	.63
3W TO 0	4	2.41	8.97	.60	.25

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

GJASTYKKI 4 SCALE FACTOR 35700.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	6	2.07	7.70	.35	.36
3E TO 6E	9	2.37	8.82	.26	.11
6E TO 9E	12	3.33	12.37	.28	.22
9E TO 12E	13	5.04	18.75	.39	.46
12E TO 15E	8	1.81	6.72	.23	.15
15E TO 18E	8	5.85	21.76	.73	.62
18E TO 21E	6	.98	3.65	.16	.08
21E TO 24E	1	.14	.51	.14	.00
24E TO 27E	1	.21	.77	.21	.00
27E TO 30E		NO OBSERVATIONS FOR THIS CELL			
30E TO 33E	1	.15	.54	.15	.00
33E TO 36E		NO OBSERVATIONS FOR THIS CELL			
36E TO 39E		NO OBSERVATIONS FOR THIS CELL			
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E		NO OBSERVATIONS FOR THIS CELL			
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 80
TOTAL LENGTH = 26.89
AVERAGE LENGTH = .34
STD. DEVIATION = .35
STANDARD DEVIATION OF LENGTH BY CELL = 1.17

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	0.	0.	1.	1.	3.	1.	4.
PERCENT	.00	.00	5.56	5.56	16.67	5.56	22.22
AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	4.	1.	1.	0.	0.	0.	2.
PERCENT	22.22	5.56	5.56	.00	.00	.00	11.11
AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00
AZIMUTH	78	81	84	87	90		
FREQUENCY	0.	0.	0.	0.	0.		
PERCENT	.00	.00	.00	.00	.00		

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.15	31	.46	.61	77	.92
FREQUENCY	1	6.	3.	3.	3.	1.	0.
PERCENT	5.56	33.33	16.67	16.67	16.67	5.56	00
LENGTH	1.07	1.23	1.38	1.53	1.69	1.84	1.99
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	00	00	00	.00	.00	00	00
LENGTH	2.15						
FREQUENCY	1.						
PERCENT	5.56						

AVERAGE 53 STD. DEVIATION 49 FREQUENCY = 18

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W			NO OBSERVATIONS FOR THIS CELL			
18W TO 15W			NO OBSERVATIONS FOR THIS CELL			
15W TO 12W			NO OBSERVATIONS FOR THIS CELL			
12W TO 9W			NO OBSERVATIONS FOR THIS CELL			
9W TO 6W			NO OBSERVATIONS FOR THIS CELL			
6W TO 3W			NO OBSERVATIONS FOR THIS CELL			
3W TO 0			NO OBSERVATIONS FOR THIS CELL			

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	1	.27	.27	.00	.27	.27
3E TO 6E	1	.23	.23	.00	.23	.23
6E TO 9E	3	.99	.33	.25	.61	.13
9E TO 12E	1	.70	.70	.00	.70	.70
12E TO 15E	4	1.69	.42	.23	.64	.16
15E TO 18E	4	3.85	.96	.91	2.30	.34
18E TO 21E	1	.77	.77	.00	.77	.77
21E TO 24E	1	.33	.33	.00	.33	.33
24E TO 27E	NO OBSERVATIONS FOR THIS CELL					
27E TO 30E	NO OBSERVATIONS FOR THIS CELL					
30E TO 33E	NO OBSERVATIONS FOR THIS CELL					
33E TO 36E	2	.76	.38	.11	.46	.30
36E TO 39E	NO OBSERVATIONS FOR THIS CELL					
39E TO 42E	NO OBSERVATIONS FOR THIS CELL					
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	NO OBSERVATIONS FOR THIS CELL					
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY =	18
TOTAL LENGTH =	9.59
AVERAGE LENGTH =	.53
STD. DEVIATION =	.49

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W		NO OBSERVATIONS FOR THIS CELL			
18W TO 15W		NO OBSERVATIONS FOR THIS CELL			
15W TO 12W		NO OBSERVATIONS FOR THIS CELL			
12W TO 9W		NO OBSERVATIONS FOR THIS CELL			
9W TO 6W		NO OBSERVATIONS FOR THIS CELL			
6W TO 3W		NO OBSERVATIONS FOR THIS CELL			
3W TO 0		NO OBSERVATIONS FOR THIS CELL			

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	1	.27	2.84	.27	.00
3E TO 6E	1	.23	2.40	.23	.00
6E TO 9E	3	.99	10.31	.33	
9E TO 12E	1	.70	7.30	.70	.00
12E TO 15E	4	1.69	17.61	.42	.23
15E TO 18E	4	3.85	40.14	.96	.91
18E TO 21E	1	.77	8.03	.77	
21E TO 24E	1	.33	3.45	.33	.00
24E TO 27E		NO OBSERVATIONS FOR THIS CELL			
27E TO 30E		NO OBSERVATIONS FOR THIS CELL			
30E TO 33E		NO OBSERVATIONS FOR THIS CELL			
33E TO 36E	2	.76	7.93	.38	.11
36E TO 39E		NO OBSERVATIONS FOR THIS CELL			
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E		NO OBSERVATIONS FOR THIS CELL			
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 16
TOTAL LENGTH = 9.59
AVERAGE LENGTH = .53
STD. DEVIATION = .49
STANDARD DEVIATION OF LENGTH BY CELL = .57

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	0.	0.	1.	0.	1.	5.	8.
PERCENT	.00	.00	2.70	.00	2.70	13.51	21.62

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	11.	3.	4.	1.	2.	1.	0.
PERCENT	29.73	8.11	10.81	2.70	5.41	2.70	.00

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.13	.26	.40	.53	.66	.79
FREQUENCY	2.	8.	4.	9.	4.	4.	2.
PERCENT	5.41	21.62	10.81	24.32	10.81	10.81	5.41

LENGTH	.92	1.05	1.19	1.32	1.45	1.58	1.71
FREQUENCY	2.	0.	0.	0.	0.	0.	0.
PERCENT	5.41	.00	.00	.00	.00	.00	.00

LENGTH	1.85
FREQUENCY	2.
PERCENT	5.41

AVERAGE .54 STD. DEVIATION = .42 FREQUENCY = 37

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W			NO OBSERVATIONS FOR THIS CELL			
18W TO 15W			NO OBSERVATIONS FOR THIS CELL			
15W TO 12W			NO OBSERVATIONS FOR THIS CELL			
12W TO 9W			NO OBSERVATIONS FOR THIS CELL			
9W TO 6W			NO OBSERVATIONS FOR THIS CELL			
6W TO 3W			NO OBSERVATIONS FOR THIS CELL			
3W TO 0			NO OBSERVATIONS FOR THIS CELL			

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	1	.27	.27	.00	.27	.27
3E TO 6E			NO OBSERVATIONS FOR THIS CELL			
6E TO 9E	1	.35	.35	.00	.35	.35
9E TO 12E	5	2.22	.45	.29	.80	.13
12E TO 15E	8	4.15	.52	.16	.79	.25
15E TO 18E	11	8.54	.78	.63	1.98	.19
18E TO 21E	3	1.56	.52	.28	.76	.21
21E TO 24E	4	1.71	.43	.41	1.01	.12
24E TO 27E	1	.46	.46	.00	.46	.46
27E TO 30E	2	.54	.27	.06	.32	.23
30E TO 33E	1	.21	.21	.00	.21	.21
33E TO 36E			NO OBSERVATIONS FOR THIS CELL			
36E TO 39E			NO OBSERVATIONS FOR THIS CELL			
39E TO 42E			NO OBSERVATIONS FOR THIS CELL			
42E TO 45E			NO OBSERVATIONS FOR THIS CELL			
45E TO 48E			NO OBSERVATIONS FOR THIS CELL			
48E TO 51E			NO OBSERVATIONS FOR THIS CELL			
51E TO 54E			NO OBSERVATIONS FOR THIS CELL			
54E TO 57E			NO OBSERVATIONS FOR THIS CELL			
57E TO 60E			NO OBSERVATIONS FOR THIS CELL			
60E TO 63E			NO OBSERVATIONS FOR THIS CELL			
63E TO 66E			NO OBSERVATIONS FOR THIS CELL			
66E TO 69E			NO OBSERVATIONS FOR THIS CELL			
69E TO 72E			NO OBSERVATIONS FOR THIS CELL			
72E TO 75E			NO OBSERVATIONS FOR THIS CELL			
75E TO 78E			NO OBSERVATIONS FOR THIS CELL			
78E TO 81E			NO OBSERVATIONS FOR THIS CELL			
81E TO 84E			NO OBSERVATIONS FOR THIS CELL			
84E TO 87E			NO OBSERVATIONS FOR THIS CELL			
87E TO 90E			NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 37
TOTAL LENGTH = 20.01
AVERAGE LENGTH = .54
STD. DEVIATION = .42

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W		NO OBSERVATIONS FOR THIS CELL			
18W TO 15W		NO OBSERVATIONS FOR THIS CELL			
15W TO 12W		NO OBSERVATIONS FOR THIS CELL			
12W TO 9W		NO OBSERVATIONS FOR THIS CELL			
9W TO 6W		NO OBSERVATIONS FOR THIS CELL			
6W TO 3W		NO OBSERVATIONS FOR THIS CELL			
3W TO 0		NO OBSERVATIONS FOR THIS CELL			

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

HVERFJALL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	1	.27	1.32	.27	.00
3E TO 6E		NO OBSERVATIONS FOR THIS CELL			
6E TO 9E	1	.35	1.73	.35	.00
9E TO 12E	5	2.22	11.11	.45	.29
12E TO 15E	8	4.15	20.73	.52	.16
15E TO 18E	11	8.54	42.69	.78	.63
18E TO 21E	3	1.56	7.79	.52	.28
21E TO 24E	4	1.71	8.54	.43	.41
24E TO 27E	1	.46	2.30	.46	.00
27E TO 30E	2	.54	2.71	.27	.06
30E TO 33E	1	.21	1.07	.21	.00
33E TO 36E		NO OBSERVATIONS FOR THIS CELL			
36E TO 39E		NO OBSERVATIONS FOR THIS CELL			
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E		NO OBSERVATIONS FOR THIS CELL			
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 37
TOTAL LENGTH = 20.01
AVERAGE LENGTH = .54
STD. DEVIATION = .42
STANDARD DEVIATION OF LENGTH BY CELL = 1.27

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	0.	0.	0.	1.	0.	1.	4.
PERCENT	.00	.00	.00	4.17	.00	4.17	16.67

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	6.	6.	2.	2.	1.	0.	0.
PERCENT	25.00	25.00	8.33	8.33	4.17	.00	.00

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	0.	0.	0.	1.	0.	0.	0.
PERCENT	.00	.00	.00	4.17	.00	.00	.00

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.15	.30	.46	.61	.76	.91
FREQUENCY	1.	8.	1.	5.	3.	2.	0.
PERCENT	4.17	33.33	4.17	20.83	12.50	8.33	.00
LENGTH	1.06	1.22	1.37	1.52	1.67	1.83	1.98
FREQUENCY	0.	1.	1.	0.	0.	1.	0.
PERCENT	.00	4.17	4.17	.00	.00	4.17	.00
LENGTH	2.13						
FREQUENCY	1.						
PERCENT	4.17						

AVERAGE = .66 STD DEVIATION = .56 FREQUENCY 24

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 1 SCALE FACTOR 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W			NO OBSERVATIONS FOR THIS CELL			
21W TO 18W			NO OBSERVATIONS FOR THIS CELL			
18W TO 15W			NO OBSERVATIONS FOR THIS CELL			
15W TO 12W			NO OBSERVATIONS FOR THIS CELL			
12W TO 9W			NO OBSERVATIONS FOR THIS CELL			
9W TO 6W			NO OBSERVATIONS FOR THIS CELL			
6W TO 3W			NO OBSERVATIONS FOR THIS CELL			
3W TO 0			NO OBSERVATIONS FOR THIS CELL			

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E			NO OBSERVATIONS FOR THIS CELL			
3E TO 6E	1	.12	.12	.00	.12	.12
6E TO 9E			NO OBSERVATIONS FOR THIS CELL			
9E TO 12E	1	.28	.28	.00	.28	.28
12E TO 15E	4	2.12	.53	.27	.80	.15
15E TO 18E	6	3.04	.51	.20	.71	.25
18E TO 21E	6	4.22	.70	.40	1.38	.28
21E TO 24E	2	3.19	1.60	.42	1.89	1.30
24E TO 27E	2	2.54	1.27	1.43	2.28	.26
27E TO 30E	1	.17	.17	.00	.17	.17
30E TO 33E			NO OBSERVATIONS FOR THIS CELL			
33E TO 36E			NO OBSERVATIONS FOR THIS CELL			
36E TO 39E			NO OBSERVATIONS FOR THIS CELL			
39E TO 42E			NO OBSERVATIONS FOR THIS CELL			
42E TO 45E			NO OBSERVATIONS FOR THIS CELL			
45E TO 48E	1	.16	.16	.00	.16	.16
48E TO 51E			NO OBSERVATIONS FOR THIS CELL			
51E TO 54E			NO OBSERVATIONS FOR THIS CELL			
54E TO 57E			NO OBSERVATIONS FOR THIS CELL			
57E TO 60E			NO OBSERVATIONS FOR THIS CELL			
60E TO 63E			NO OBSERVATIONS FOR THIS CELL			
63E TO 66E			NO OBSERVATIONS FOR THIS CELL			
66E TO 69E			NO OBSERVATIONS FOR THIS CELL			
69E TO 72E			NO OBSERVATIONS FOR THIS CELL			
72E TO 75E			NO OBSERVATIONS FOR THIS CELL			
75E TO 78E			NO OBSERVATIONS FOR THIS CELL			
78E TO 81E			NO OBSERVATIONS FOR THIS CELL			
81E TO 84E			NO OBSERVATIONS FOR THIS CELL			
84E TO 87E			NO OBSERVATIONS FOR THIS CELL			
87E TO 90E			NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 24
TOTAL LENGTH = 15.85
AVERAGE LENGTH = .66
STD. DEVIATION = .56

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W		NO OBSERVATIONS FOR THIS CELL			
21W TO 18W		NO OBSERVATIONS FOR THIS CELL			
18W TO 15W		NO OBSERVATIONS FOR THIS CELL			
15W TO 12W		NO OBSERVATIONS FOR THIS CELL			
12W TO 9W		NO OBSERVATIONS FOR THIS CELL			
9W TO 6W		NO OBSERVATIONS FOR THIS CELL			
6W TO 3W		NO OBSERVATIONS FOR THIS CELL			
3W TO 0		NO OBSERVATIONS FOR THIS CELL			

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 1 SCALE FACTOR 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E		NO OBSERVATIONS FOR THIS CELL			
3E TO 6E	1	.12	.76	.12	.00
6E TO 9E		NO OBSERVATIONS FOR THIS CELL			
9E TO 12E	1	.28	1.77	.28	.00
12E TO 15E	4	2.12	13.39		.27
15E TO 18E	6	3.04	19.20	.51	.20
18E TO 21E	6	4.22	26.65	.70	.40
21E TO 24E	2	3.19	20.13	1.60	.42
24E TO 27E		2.54	16.03	1.27	1.43
27E TO 30E	1	.17	1.05	.17	.00
30E TO 33E		NO OBSERVATIONS FOR THIS CELL			
33E TO 36E		NO OBSERVATIONS FOR THIS CELL			
36E TO 39E		NO OBSERVATIONS FOR THIS CELL			
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E	1	.16	1.02	.16	.00
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 24
TOTAL LENGTH = 15.85
AVERAGE LENGTH = .66
STD. DEVIATION = .56
STANDARD DEVIATION OF LENGTH BY CELL = .87

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	1.	0.	2.	0.	0.	2.
PERCENT	.00	1.22	.00	2.44	.00	.00	2.44

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	2.	3.	4.	5.	3.	11.	19.
PERCENT	2.44	3.66	4.88	6.10	3.66	13.41	23.17

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	8.	4.	7.	1.	6.	3.	0.
PERCENT	9.76	4.88	8.54	1.22	7.32	3.66	.00

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	0.	0.	0.	1.	0.	0.	0.
PERCENT	.00	.00	.00	1.22	.00	.00	.00

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.13	.26	.40	.53	.66	.79
FREQUENCY	11.	27.	21.	7.	4.	4.	5.
PERCENT	13.41	32.93	25.61	8.54	4.88	4.88	6.10

LENGTH	.92	1.06	1.19	1.32	1.45	1.58	1.72
FREQUENCY	1.	0.	0.	0.	0.	0.	1.
PERCENT	1.22	.00	.00	.00	.00	.00	1.22

LENGTH	1.85
FREQUENCY	1.
PERCENT	1.22

AVERAGE = .37 STD DEVIATION = .33 FREQUENCY = 82

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W	1	.28	.28	.00	.28	.28
21W TO 18W			NO OBSERVATIONS FOR THIS CELL			
18W TO 15W	2	.38	.19	.15	.29	.09
15W TO 12W			NO OBSERVATIONS FOR THIS CELL			
12W TO 9W			NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	2	.44	.22	.21	.37	.07
6W TO 3W	2	.75	.37	.08	.43	.32
3W TO 0	3	.45	.15	.04	.18	.11

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 2 SCALE FACTOR 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	4	1.24	.31	.13	.45	.14
3E TO 6E	5	1.61	.32	.30	.86	.14
6E TO 9E	3	1.35	.45	.23	.71	.30
9E TO 12E	11	4.62	.42	.24	.82	.14
12E TO 15E	19	7.31	.39	.29	.96	.08
15E TO 18E	8	2.73	.34	.16	.69	.18
18E TO 21E	4	1.20	.30	.13	.43	19
21E TO 24E	7	4.10	.59	.67	1.98	.10
24E TO 27E	1	1.75	1.75	.00	1.75	1.75
27E TO 30E	6	1.46	.24	.18	.57	.12
30E TO 33E	3	.60	.20	.15	.37	.10
33E TO 36E	NO OBSERVATIONS FOR THIS CELL					
36E TO 39E	NO OBSERVATIONS FOR THIS CELL					
39E TO 42E	NO OBSERVATIONS FOR THIS CELL					
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	1	.09	.09	.00	.09	.09
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY	=	82
TOTAL LENGTH	=	30.33
AVERAGE LENGTH	=	.37
STD. DEVIATION	=	.33

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W	1	.28	.91	.28	.00
21W TO 18W		NO OBSERVATIONS FOR THIS CELL			
18W TO 15W	2	.38	1.24	.19	.15
15W TO 12W		NO OBSERVATIONS FOR THIS CELL			
12W TO 9W		NO OBSERVATIONS FOR THIS CELL			
9W TO 6W	2	.44	1.44	.22	.21
6W TO 3W	2	.75	2.47	.37	.08
3W TO 0	3	.45	1.49	.15	.04

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

KRAFLA 2 SCALE FACTOR 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	4	1.24	4.07	.31	.13
3E TO 6E	5	1.61	5.30	.32	.30
6E TO 9E	3	1.35	4.44	.45	.23
9E TO 12E	11	4.62	15.24	.42	.24
12E TO 15E	19	7.31	24.11	.39	.29
15E TO 18E	8	2.73	8.98	.34	.16
18E TO 21E	4	1.20	3.97	.30	.13
21E TO 24E	7	4.10	13.51	.59	.67
24E TO 27E	1	1.75	5.77	1.75	.00
27E TO 30E	6	1.46	4.80	.24	.18
30E TO 33E	3	.60	1.97	.20	.15
33E TO 36E		NO OBSERVATIONS FOR THIS CELL			
36E TO 39E		NO OBSERVATIONS FOR THIS CELL			
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E	1	.09	.30	.09	.00
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 82
TOTAL LENGTH = 30.33
AVERAGE LENGTH = .37
STD. DEVIATION = .33
STANDARD DEVIATION OF LENGTH BY CELL 1.29

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	0.	1.	2.	0.	1.	2.	1.
PERCENT	.00	.79	1.59	.00	.79	1.59	.79

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	6.	6.	17.	20.	20.	12.	16.
PERCENT	4.76	4.76	13.49	15.87	15.87	9.52	12.70

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	10.	5.	0.	4.	1.	0.	1.
PERCENT	7.94	3.97	.00	3.17	.79	.00	.79

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	0.	0.	0.	1.	0.	0.	0.
PERCENT	.00	.00	.00	.79	.00	.00	.00

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 1 SCALE FACTOR 25460.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.16	.33	.49	66	82	98
FREQUENCY	49.	34.	15.	12.	4.	4.	4.
PERCENT	38.89	26.98	11.90	9.52	3.17	3.17	3.17
LENGTH	1.15	1.31	1.48	1.64	1.80	1.97	2.13
FREQUENCY	2.	0.	1.	0.	0.	0.	0.
PERCENT	1.59	.00	.79	.00	00	.00	00
LENGTH	2.30						
FREQUENCY	1.						
PERCENT	.79						

AVERAGE = .35 STD DEVIATION = .35 FREQUENCY = 126

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W			NO OBSERVATIONS FOR THIS CELL			
27W TO 24W			NO OBSERVATIONS FOR THIS CELL			
24W TO 21W	1	.16	.16	.00	.16	.16
21W TO 18W	2	.38	.19	.04	.22	.16
18W TO 15W			NO OBSERVATIONS FOR THIS CELL			
15W TO 12W	1	.24	.24	.00	.24	.24
12W TO 9W	2	.54	.27	.09	.33	.21
9W TO 6W	1	.09	.09	.00	.09	.09
6W TO 3W	6	1.45	.24	.22	.61	.10
3W TO 0	6	2.92	.49	.36	1.09	.14

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	17	9.43	.56	.29	1.02	.15
3E TO 6E	20	8.81	.44	.62	2.46	.07
6E TO 9E	20	6.59	.33	.29	1.13	.09
9E TO 12E	12	3.86	.32	.25	.93	.10
12E TO 15E	16	3.55	.22	.14	.62	.08
15E TO 18E	10	3.91	.39	.31	1.16	.09
18E TO 21E	5	.80	.16	.08	.27	.07
21E TO 24E			NO OBSERVATIONS FOR THIS CELL			
24E TO 27E	4	.51	.13	.04	.17	.08
27E TO 30E	1	.10	.10	.00	.10	.10
30E TO 33E			NO OBSERVATIONS FOR THIS CELL			
33E TO 36E	1	.11	.11	.00	.11	.11
36E TO 39E			NO OBSERVATIONS FOR THIS CELL			
39E TO 42E			NO OBSERVATIONS FOR THIS CELL			
42E TO 45E			NO OBSERVATIONS FOR THIS CELL			
45E TO 48E	1	.22	.22	.00	.22	.22
48E TO 51E			NO OBSERVATIONS FOR THIS CELL			
51E TO 54E			NO OBSERVATIONS FOR THIS CELL			
54E TO 57E			NO OBSERVATIONS FOR THIS CELL			
57E TO 60E			NO OBSERVATIONS FOR THIS CELL			
60E TO 63E			NO OBSERVATIONS FOR THIS CELL			
63E TO 66E			NO OBSERVATIONS FOR THIS CELL			
66E TO 69E			NO OBSERVATIONS FOR THIS CELL			
69E TO 72E			NO OBSERVATIONS FOR THIS CELL			
72E TO 75E			NO OBSERVATIONS FOR THIS CELL			
75E TO 78E			NO OBSERVATIONS FOR THIS CELL			
78E TO 81E			NO OBSERVATIONS FOR THIS CELL			
81E TO 84E			NO OBSERVATIONS FOR THIS CELL			
84E TO 87E			NO OBSERVATIONS FOR THIS CELL			
87E TO 90E			NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 126
TOTAL LENGTH = 43.67
AVERAGE LENGTH = .35
STD. DEVIATION = .35

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W		NO OBSERVATIONS FOR THIS CELL			
27W TO 24W		NO OBSERVATIONS FOR THIS CELL			
24W TO 21W	1	.16	.36	.16	.00
21W TO 18W	2	.38	.86	.19	.04
18W TO 15W		NO OBSERVATIONS FOR THIS CELL			
15W TO 12W	1	.24	.55	.24	.00
12W TO 9W	2	.54	1.24	.27	.09
9W TO 6W	1	.09	.21	.09	.00
6W TO 3W	6	1.45	3.32	.24	.22
3W TO 0	6	2.92	6.68	.49	.36

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 1 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	17	9.43	21.60	.56	.29
3E TO 6E	20	8.81	20.17	.44	.62
6E TO 9E	20	6.59	15.09	.33	.29
9E TO 12E	12	3.86	8.84	.32	.25
12E TO 15E	16	3.55	8.13	.22	.14
15E TO 18E	10	3.91	8.96	.39	.31
18E TO 21E	5	.80	1.84	.16	.08
21E TO 24E		NO OBSERVATIONS FOR THIS CELL			
24E TO 27E	4	.51	1.17	.13	.04
27E TO 30E	1	.10	.24	.10	.00
30E TO 33E		NO OBSERVATIONS FOR THIS CELL			
33E TO 36E	1	.11	.24	.11	.00
36E TO 39E		NO OBSERVATIONS FOR THIS CELL			
39E TO 42E		NO OBSERVATIONS FOR THIS CELL			
42E TO 45E		NO OBSERVATIONS FOR THIS CELL			
45E TO 48E	1	.22	.50	.22	.00
48E TO 51E		NO OBSERVATIONS FOR THIS CELL			
51E TO 54E		NO OBSERVATIONS FOR THIS CELL			
54E TO 57E		NO OBSERVATIONS FOR THIS CELL			
57E TO 60E		NO OBSERVATIONS FOR THIS CELL			
60E TO 63E		NO OBSERVATIONS FOR THIS CELL			
63E TO 66E		NO OBSERVATIONS FOR THIS CELL			
66E TO 69E		NO OBSERVATIONS FOR THIS CELL			
69E TO 72E		NO OBSERVATIONS FOR THIS CELL			
72E TO 75E		NO OBSERVATIONS FOR THIS CELL			
75E TO 78E		NO OBSERVATIONS FOR THIS CELL			
78E TO 81E		NO OBSERVATIONS FOR THIS CELL			
81E TO 84E		NO OBSERVATIONS FOR THIS CELL			
84E TO 87E		NO OBSERVATIONS FOR THIS CELL			
87E TO 90E		NO OBSERVATIONS FOR THIS CELL			

TOTAL FREQUENCY = 126
TOTAL LENGTH = 43.67
AVERAGE LENGTH = .35
STD. DEVIATION = .35
STANDARD DEVIATION OF LENGTH BY CELL = 1.99

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

ANGULAR DISTRIBUTION

AZIMUTH	-90	-87	-84	-81	-78	-75	-72
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-69	-66	-63	-60	-57	-54	-51
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	-48	-45	-42	-39	-36	-33	-30
FREQUENCY	0.	0.	0.	0.	0.	0.	1.
PERCENT	.00	.00	.00	.00	.00	.00	.38

AZIMUTH	-27	-24	-21	-18	-15	-12	-9
FREQUENCY	2.	5.	3.	4.	3.	10.	8.
PERCENT	.75	1.88	1.13	1.50	1.13	3.76	3.01

AZIMUTH	-6	-3	0	3	6	9	12
FREQUENCY	14.	13.	20.	20.	30.	24.	27.
PERCENT	5.26	4.89	7.52	7.52	11.28	9.02	10.15

AZIMUTH	15	18	21	24	27	30	33
FREQUENCY	25.	22.	15.	9.	6.	2.	1.
PERCENT	9.40	8.27	5.64	3.38	2.26	.75	.38

AZIMUTH	36	39	42	45	48	51	54
FREQUENCY	2.	0.	0.	0.	0.	0.	0.
PERCENT	.75	.00	.00	.00	.00	.00	.00

AZIMUTH	57	60	63	66	69	72	75
FREQUENCY	0.	0.	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00	.00	.00

AZIMUTH	78	81	84	87	90
FREQUENCY	0.	0.	0.	0.	0.
PERCENT	.00	.00	.00	.00	.00

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

DISTRIBUTION BY LENGTH

LENGTH	.00	.23	.47	.70	.93	1.17	1.40
FREQUENCY	143.	67.	31.	11.	5.	4.	0.
PERCENT	53.76	25.19	11.65	4.14	1.88	1.50	.00

LENGTH	1.63	1.87	2.10	2.33	2.57	2.80	3.03
FREQUENCY	1.	0.	0.	2.	1.	0.	0.
PERCENT	.38	.00	.00	.75	.38	.00	.00

LENGTH	3.27
FREQUENCY	1.
PERCENT	.38

AVERAGE .35 STD. DEVIATION .40 FREQUENCY 266

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQ-UENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W	1	.35	.35	.00	.35	.35
27W TO 24W	2	.58	.29	.02	.30	.28
24W TO 21W	5	1.00	.20	.07	.31	.13
21W TO 18W	3	.73	.24	.15	.34	.08
18W TO 15W	4	.97	.24	.26	.63	.07
15W TO 12W	3	.36	.12	.07	.20	.07
12W TO 9W	10	2.35	.24	.19	.67	.10
9W TO 6W	8	1.42	.18	.13	.49	.09
6W TO 3W	14	3.48	.25	.21	.87	.07
3W TO 0	13	3.20	.25	.15	.55	.11

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
90W TO 87W			NO OBSERVATIONS FOR THIS CELL			
87W TO 84W			NO OBSERVATIONS FOR THIS CELL			
84W TO 81W			NO OBSERVATIONS FOR THIS CELL			
81W TO 78W			NO OBSERVATIONS FOR THIS CELL			
78W TO 75W			NO OBSERVATIONS FOR THIS CELL			
75W TO 72W			NO OBSERVATIONS FOR THIS CELL			
72W TO 69W			NO OBSERVATIONS FOR THIS CELL			
69W TO 66W			NO OBSERVATIONS FOR THIS CELL			
66W TO 63W			NO OBSERVATIONS FOR THIS CELL			
63W TO 60W			NO OBSERVATIONS FOR THIS CELL			
60W TO 57W			NO OBSERVATIONS FOR THIS CELL			
57W TO 54W			NO OBSERVATIONS FOR THIS CELL			
54W TO 51W			NO OBSERVATIONS FOR THIS CELL			
51W TO 48W			NO OBSERVATIONS FOR THIS CELL			
48W TO 45W			NO OBSERVATIONS FOR THIS CELL			
45W TO 42W			NO OBSERVATIONS FOR THIS CELL			
42W TO 39W			NO OBSERVATIONS FOR THIS CELL			
39W TO 36W			NO OBSERVATIONS FOR THIS CELL			
36W TO 33W			NO OBSERVATIONS FOR THIS CELL			
33W TO 30W			NO OBSERVATIONS FOR THIS CELL			
30W TO 27W	1	.35	.35	.00	.35	.35
27W TO 24W	2	.58	.29	.02	.30	.28
24W TO 21W	5	1.00	.20	.07	.31	.13
21W TO 18W	3	.73	.24	.15	.34	.08
18W TO 15W	4	.97	.24	.26	.63	.07
15W TO 12W	3	.36	.12	.07	.20	.07
12W TO 9W	10	2.35	.24	.19	.67	.10
9W TO 6W	8	1.42	.18	.13	.49	.09
6W TO 3W	14	3.48	.25	.21	.87	.07
3W TO 0	13	3.20	.25	.15	.55	.11

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	AVERAGE LENGTH	STANDARD DEVIATION	MAXIMUM LENGTH	MINIMUM LENGTH
0 TO 3E	20	6.24	.31	.25	1.12	.10
3E TO 6E	20	5.21	.26	.24	1.15	.08
6E TO 9E	30	13.42	.45	.63	2.68	.07
9E TO 12E	24	6.70	.28	.24	1.20	.08
12E TO 15E	27	13.74	.51	.41	1.75	.10
15E TO 18E	25	13.77	.55	.77	3.50	.10
18E TO 21E	22	8.98	.41	.26	.90	.11
21E TO 24E	15	4.70	.31	.31	1.25	.07
24E TO 27E	9	2.96	.33	.22	.61	.09
27E TO 30E	6	1.06	.18	.09	.35	.11
30E TO 33E	2	.24	.12	.01	.13	.12
33E TO 36E	1	.13	.13	.00	.13	.13
36E TO 39E	2	.27	.13	.08	.19	.08
39E TO 42E	NO OBSERVATIONS FOR THIS CELL					
42E TO 45E	NO OBSERVATIONS FOR THIS CELL					
45E TO 48E	NO OBSERVATIONS FOR THIS CELL					
48E TO 51E	NO OBSERVATIONS FOR THIS CELL					
51E TO 54E	NO OBSERVATIONS FOR THIS CELL					
54E TO 57E	NO OBSERVATIONS FOR THIS CELL					
57E TO 60E	NO OBSERVATIONS FOR THIS CELL					
60E TO 63E	NO OBSERVATIONS FOR THIS CELL					
63E TO 66E	NO OBSERVATIONS FOR THIS CELL					
66E TO 69E	NO OBSERVATIONS FOR THIS CELL					
69E TO 72E	NO OBSERVATIONS FOR THIS CELL					
72E TO 75E	NO OBSERVATIONS FOR THIS CELL					
75E TO 78E	NO OBSERVATIONS FOR THIS CELL					
78E TO 81E	NO OBSERVATIONS FOR THIS CELL					
81E TO 84E	NO OBSERVATIONS FOR THIS CELL					
84E TO 87E	NO OBSERVATIONS FOR THIS CELL					
87E TO 90E	NO OBSERVATIONS FOR THIS CELL					

TOTAL FREQUENCY = 266
TOTAL LENGTH = 91.87
AVERAGE LENGTH = .35
STD. DEVIATION = .40

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 2 SCALE FACTOR = 25480.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
90W TO 87W		NO OBSERVATIONS FOR THIS CELL			
87W TO 84W		NO OBSERVATIONS FOR THIS CELL			
84W TO 81W		NO OBSERVATIONS FOR THIS CELL			
81W TO 78W		NO OBSERVATIONS FOR THIS CELL			
78W TO 75W		NO OBSERVATIONS FOR THIS CELL			
75W TO 72W		NO OBSERVATIONS FOR THIS CELL			
72W TO 69W		NO OBSERVATIONS FOR THIS CELL			
69W TO 66W		NO OBSERVATIONS FOR THIS CELL			
66W TO 63W		NO OBSERVATIONS FOR THIS CELL			
63W TO 60W		NO OBSERVATIONS FOR THIS CELL			
60W TO 57W		NO OBSERVATIONS FOR THIS CELL			
57W TO 54W		NO OBSERVATIONS FOR THIS CELL			
54W TO 51W		NO OBSERVATIONS FOR THIS CELL			
51W TO 48W		NO OBSERVATIONS FOR THIS CELL			
48W TO 45W		NO OBSERVATIONS FOR THIS CELL			
45W TO 42W		NO OBSERVATIONS FOR THIS CELL			
42W TO 39W		NO OBSERVATIONS FOR THIS CELL			
39W TO 36W		NO OBSERVATIONS FOR THIS CELL			
36W TO 33W		NO OBSERVATIONS FOR THIS CELL			
33W TO 30W		NO OBSERVATIONS FOR THIS CELL			
30W TO 27W	1	.35	.38	.35	.00
27W TO 24W	2	.58	.64	.29	.02
24W TO 21W	5	1.00	1.09	.20	.07
21W TO 18W	3	.73	.79	.24	.15
18W TO 15W	4	.97	1.05	.24	.26
15W TO 12W	3	.36	.39	.12	.07
12W TO 9W	10	2.35	2.56	.24	.19
9W TO 6W	8	1.42	1.55	.18	.13
6W TO 3W	14	3.48	3.78	.25	.21
3W TO 0	13	3.20	3.49	.25	.15

STATISTICAL SUMMARY BY 3 DEGREE CELL INTERVALS

MOFELL 2 SCALE FACTOR = 25460.

UNITS ARE KILOMETERS

STATISTICAL SUMMARY OF LENGTH BY CELL

CELL	FREQUENCY	TOTAL LENGTH	PERCENT LENGTH	AVERAGE LENGTH	STANDARD DEVIATION
0 TO 3E	20	6.24	6.79	.31	.25
3E TO 6E	20	5.21	5.67	.26	.24
6E TO 9E	30	13.42	14.61	.45	.63
9E TO 12E	24	6.70	7.29	.28	.24
12E TO 15E	27	13.74	14.96	.51	.41
15E TO 18E	25	13.77	14.99	.55	.77
18E TO 21E	22	8.98	9.77	.41	.26
21E TO 24E	15	4.70	5.11	.31	.31
24E TO 27E	9	2.96	3.22	.33	.22
27E TO 30E	6	1.06	1.15	.18	.09
30E TO 33E	2	.24	.26	.12	.01
33E TO 36E	1	.13	.14	.13	.00
36E TO 39E	2	.27	.29	.13	.08
39E TO 42E	NO OBSERVATIONS FOR THIS CELL				
42E TO 45E	NO OBSERVATIONS FOR THIS CELL				
45E TO 48E	NO OBSERVATIONS FOR THIS CELL				
48E TO 51E	NO OBSERVATIONS FOR THIS CELL				
51E TO 54E	NO OBSERVATIONS FOR THIS CELL				
54E TO 57E	NO OBSERVATIONS FOR THIS CELL				
57E TO 60E	NO OBSERVATIONS FOR THIS CELL				
60E TO 63E	NO OBSERVATIONS FOR THIS CELL				
63E TO 66E	NO OBSERVATIONS FOR THIS CELL				
66E TO 69E	NO OBSERVATIONS FOR THIS CELL				
69E TO 72E	NO OBSERVATIONS FOR THIS CELL				
72E TO 75E	NO OBSERVATIONS FOR THIS CELL				
75E TO 78E	NO OBSERVATIONS FOR THIS CELL				
78E TO 81E	NO OBSERVATIONS FOR THIS CELL				
81E TO 84E	NO OBSERVATIONS FOR THIS CELL				
84E TO 87E	NO OBSERVATIONS FOR THIS CELL				
87E TO 90E	NO OBSERVATIONS FOR THIS CELL				

TOTAL FREQUENCY = 266
TOTAL LENGTH 91.87
AVERAGE LENGTH = .35
STD. DEVIATION = .40
STANDARD DEVIATION OF LENGTH BY CELL = 3.38